

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062474.D
 Acq On : 11 May 2019 22:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	291402	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	377244	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	336619	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	211242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	143711	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	4.32	113	165587	55.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	7.72	98	379701	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.50	95	166209	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	138938	41.197	ug/l	100
3) Chloromethane	1.15	50	86861	39.052	ug/l	94
4) Vinyl Chloride	1.20	62	92381	41.640	ug/l	98
5) Bromomethane	1.39	94	83864	50.102	ug/l	99
6) Chloroethane	1.44	64	54415	48.785	ug/l	95
7) Trichlorofluoromethane	1.55	101	229674	49.895	ug/l	100
8) Diethyl Ether	1.72	74	33469	48.053	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	130077	49.496	ug/l	97
10) Methyl Iodide	1.97	142	216808	50.062	ug/l	99
11) Tert butyl alcohol	2.69	59	33597	215.862	ug/l	96
12) 1,1-Dichloroethene	1.87	96	100919	45.171	ug/l	97
13) Acrolein	2.10	56	28385	299.202	ug/l	90
14) Allyl chloride	2.20	41	144199	73.066	ug/l	95
15) Acrylonitrile	3.10	53	68114	231.032	ug/l	97
16) Acetone	2.36	43	121170	217.506	ug/l	99
17) Carbon Disulfide	1.91	76	200590	41.177	ug/l	99
18) Methyl Acetate	2.47	43	49164	48.285	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	230826	50.051	ug/l	98
20) Methylene Chloride	2.33	84	97181	48.216	ug/l #	89
21) trans-1,2-Dichloroethene	2.43	96	92086	43.261	ug/l	96
22) Diisopropyl ether	2.95	45	295069	47.837	ug/l	99
23) Vinyl Acetate	3.35	43	662317	240.922	ug/l	98
24) 1,1-Dichloroethane	3.02	63	194931	52.290	ug/l	97
25) 2-Butanone	4.54	43	159731	228.225	ug/l	97
26) 2,2-Dichloropropane	3.79	77	114106	54.810	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	131297	49.346	ug/l	97
28) Bromochloromethane	3.92	49	91215	53.951	ug/l	95
29) Tetrahydrofuran	4.28	42	66619	207.107	ug/l	99
30) Chloroform	4.06	83	263110	52.242	ug/l	100
31) Cyclohexane	3.91	56	124493	41.839	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	228434	52.921	ug/l	99
36) 1,1-Dichloropropene	4.48	75	161393	49.803	ug/l	99
37) Ethyl Acetate	4.31	43	63786	50.611	ug/l #	100
38) Carbon Tetrachloride	4.20	117	254806	77.324	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	145627	44.807	ug/l	95
40) Benzene	4.83	78	342658	48.017	ug/l	95
41) Methacrylonitrile	4.94	41	33988	43.740	ug/l	93
42) 1,2-Dichloroethane	5.14	62	152668	51.152	ug/l	98
43) Isopropyl Acetate	7.12	43	70303	47.695	ug/l #	97
44) Trichloroethene	5.69	130	133897	51.078	ug/l	95
45) 1,2-Dichloropropane	6.42	63	82507	51.045	ug/l	94
46) Dibromomethane	6.27	93	70311	52.465	ug/l	96
47) Bromodichloromethane	6.57	83	173466	51.771	ug/l	99
48) Methyl methacrylate	6.88	41	50764	48.733	ug/l	98
49) 1,4-Dioxane	6.88	88	8921	830.483	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	290388	259.989	ug/l	99
52) Toluene	7.79	92	221902	50.405	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	130392	51.453	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	146029	49.513	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	75816	54.250	ug/l	92
56) Ethyl methacrylate	8.77	69	72765	49.324	ug/l	99
57) 1,3-Dichloropropane	9.00	76	108923	51.598	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	103924	234.316	ug/l	99
59) 2-Hexanone	9.62	43	189929	245.873	ug/l	96
60) Dibromochloromethane	8.86	129	126591	55.384	ug/l	98
61) 1,2-Dibromoethane	9.14	107	86733	52.804	ug/l	97
64) Tetrachloroethene	8.31	164	128134	46.888	ug/l	97
65) Chlorobenzene	9.94	112	278145	49.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	142657	50.774	ug/l	99
67) Ethyl Benzene	10.04	91	481304	49.350	ug/l	99
68) m/p-Xylenes	10.26	106	356293	99.014	ug/l	99
69) o-Xylene	10.83	106	201311	51.773	ug/l	96
70) Styrene	10.89	104	281464	48.299	ug/l	99
71) Bromoform	10.89	173	76422	49.647	ug/l #	100
73) Isopropylbenzene	11.22	105	605603	48.358	ug/l	99
74) N-amyl acetate	11.46	43	126430	47.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	95510	48.709	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	73441	49.092	ug/l #	100
77) Bromobenzene	11.58	156	163216	49.660	ug/l	98
78) n-propylbenzene	11.67	91	629056	47.181	ug/l	99
79) 2-Chlorotoluene	11.80	91	403514	48.671	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	526043	47.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	34736	61.772	ug/l #	71
82) 4-Chlorotoluene	11.98	91	396010	48.362	ug/l	100
83) tert-Butylbenzene	12.20	119	549753	47.657	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	517555	48.182	ug/l	97
85) sec-Butylbenzene	12.37	105	686917	48.922	ug/l	98
86) p-Isopropyltoluene	12.52	119	621998	47.679	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	294786	49.110	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	277754	47.942	ug/l	98
89) n-Butylbenzene	12.90	91	563107	48.517	ug/l	99
90) Hexachloroethane	12.97	117	154621	47.469	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	282887	48.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21646	49.275	ug/l	94

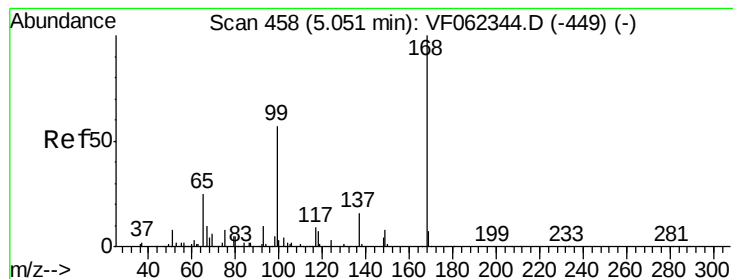
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051119\
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Quant Time: May 12 03:51:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	255233	48.977	ug/l	100
94) Hexachlorobutadiene	14.23	225	191990	49.429	ug/l	99
95) Naphthalene	14.49	128	390508	49.843	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	251936	49.901	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

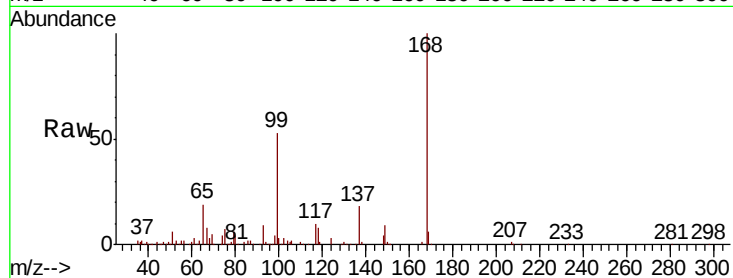
ClientSampleId :

Tot Ion:168 Resp: 291402

Ion Ratio Lower Upper

168 100

99 53.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

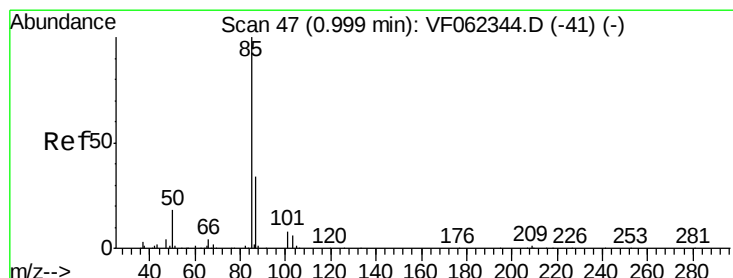
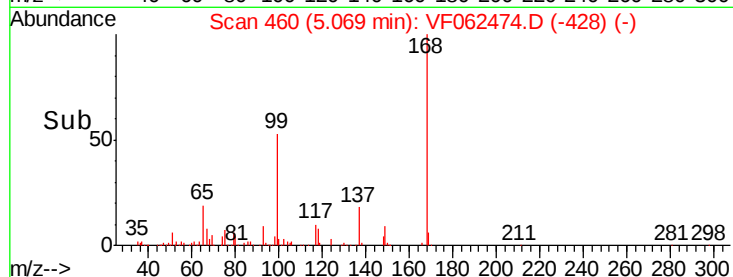
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 41.197 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062474.D

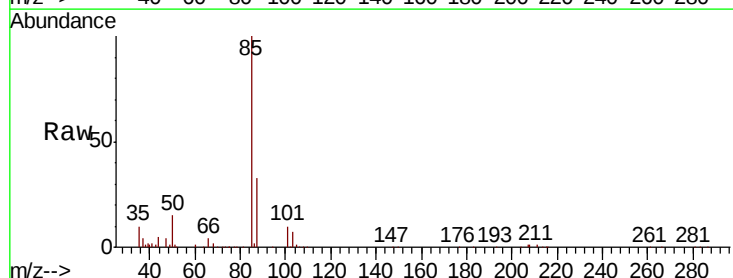
Acq: 11 May 2019 22:43

Tgt Ion: 85 Resp: 138938

Ion Ratio Lower Upper

85 100

87 33.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

50000

40000

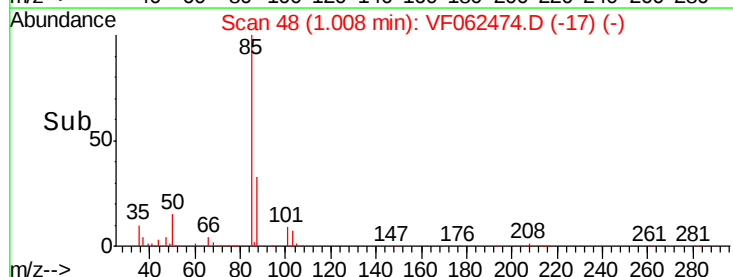
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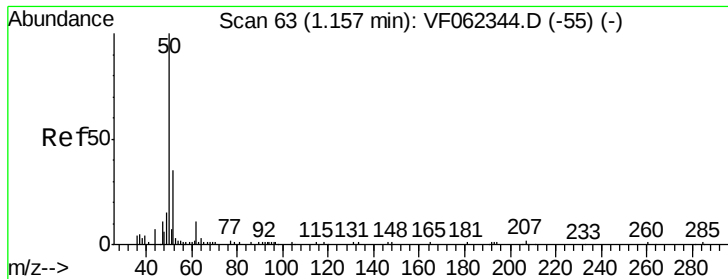
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 39.052 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

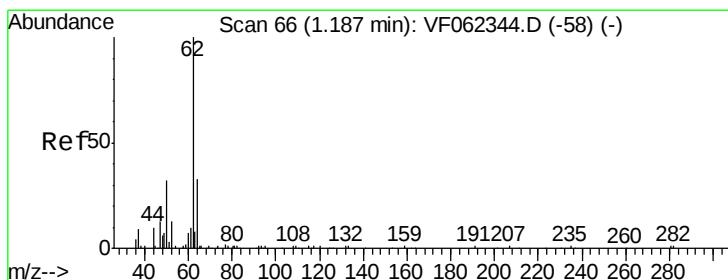
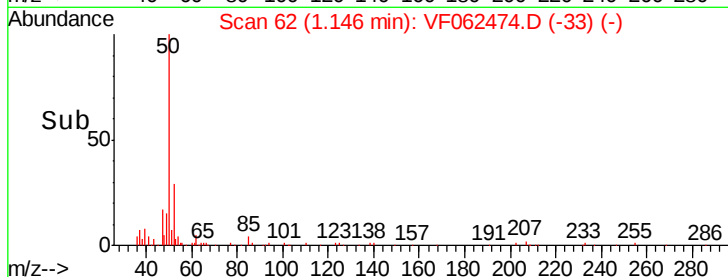
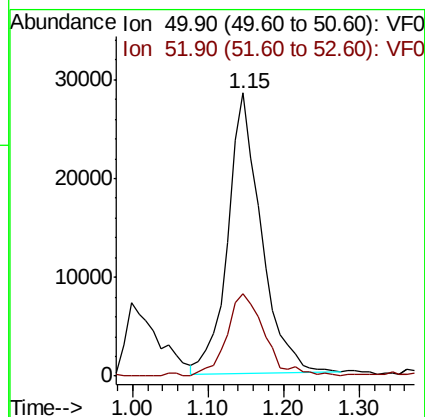
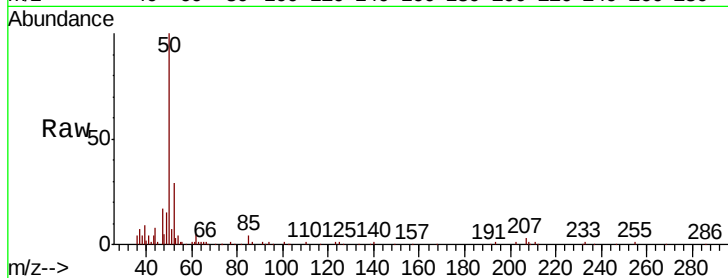
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 86861

Ion Ratio Lower Upper

50 100

52 29.4 26.1 39.1



#4

Vinyl Chloride

Concen: 41.640 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062474.D

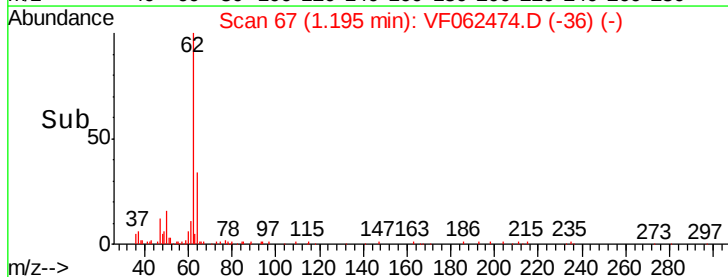
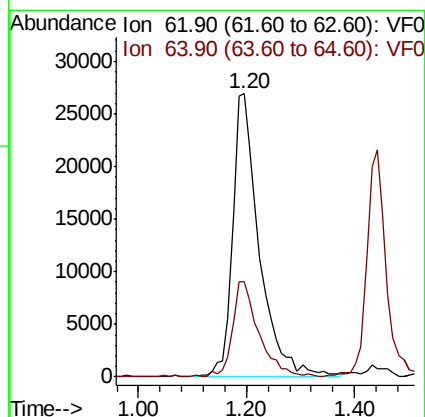
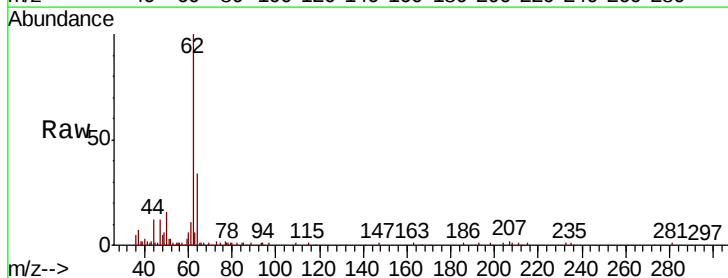
Acq: 11 May 2019 22:43

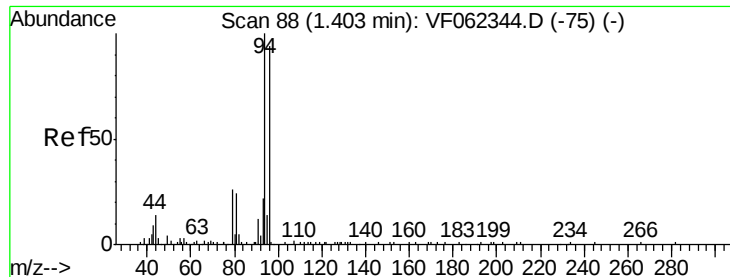
Tgt Ion: 62 Resp: 92381

Ion Ratio Lower Upper

62 100

64 33.7 26.1 39.1





#5

Bromomethane

Concen: 50.102 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

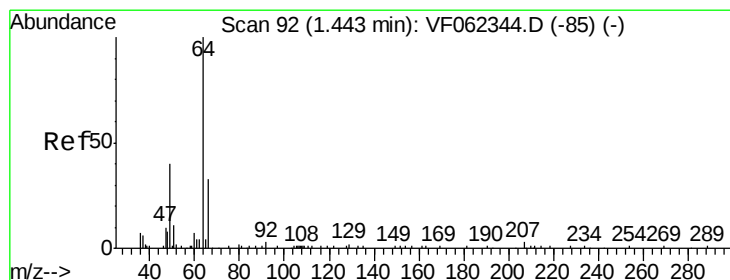
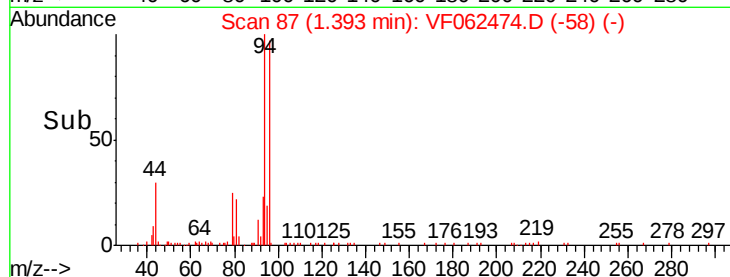
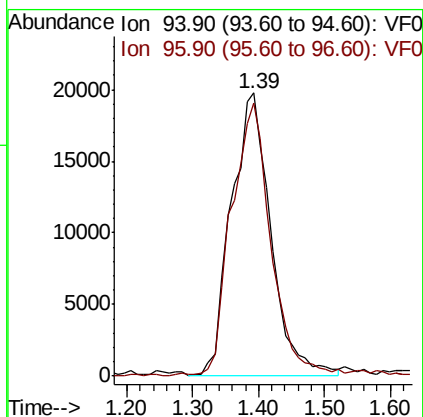
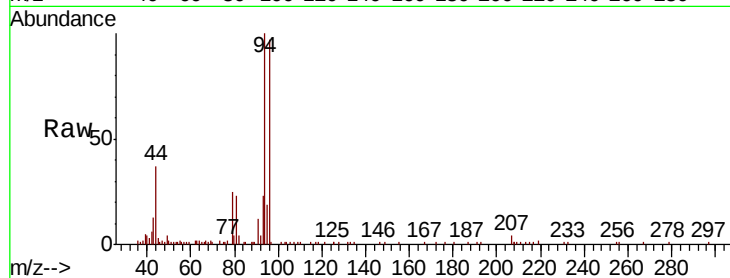
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 83864

Ion Ratio Lower Upper

94 100

96 95.7 75.4 113.2



#6

Chloroethane

Concen: 48.785 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062474.D

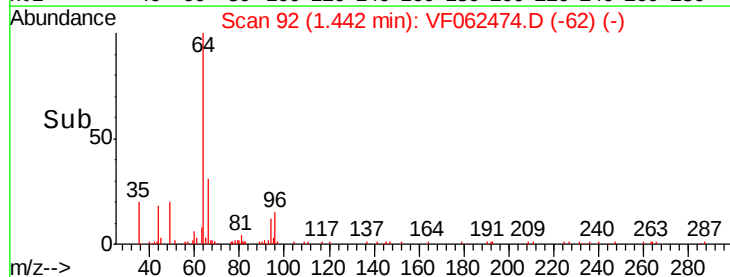
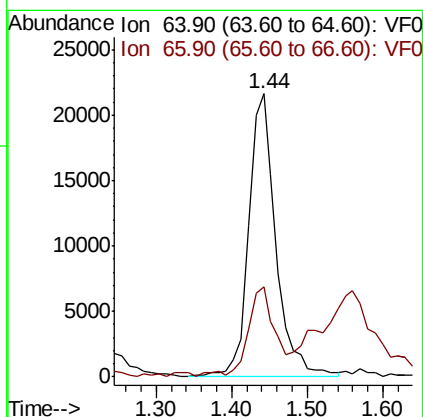
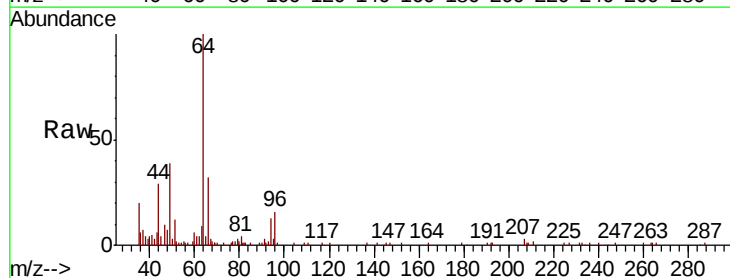
Acq: 11 May 2019 22:43

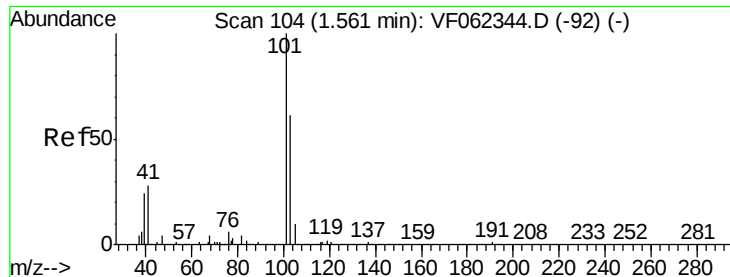
Tgt Ion: 64 Resp: 54415

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8



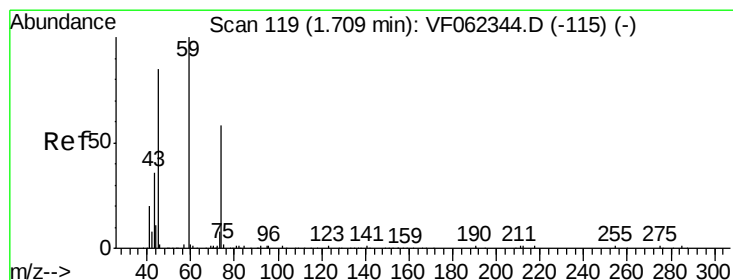
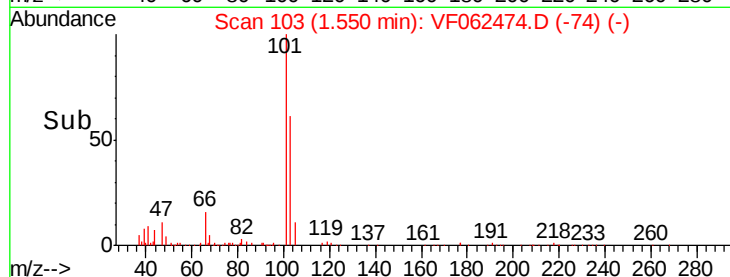
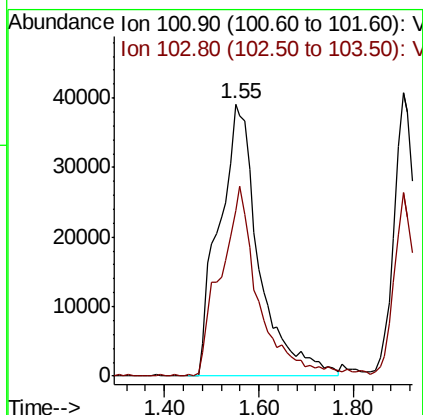
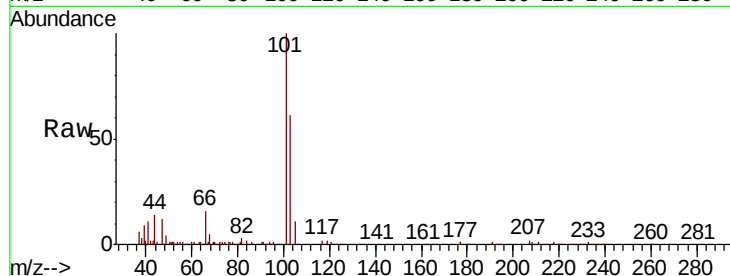


#7

Trichlorofluoromethane
Concen: 49.895 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
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ClientSampleId :

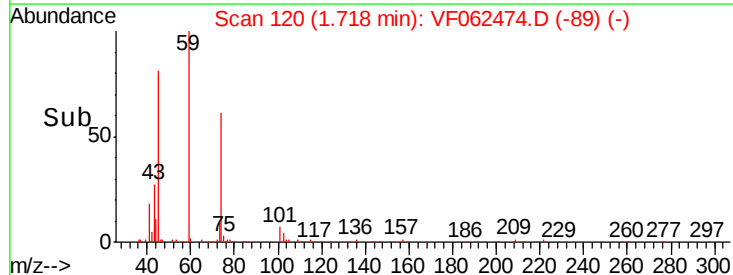
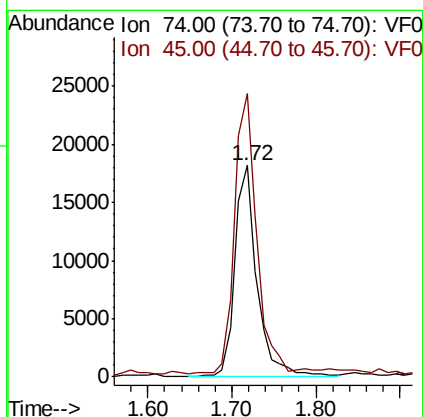
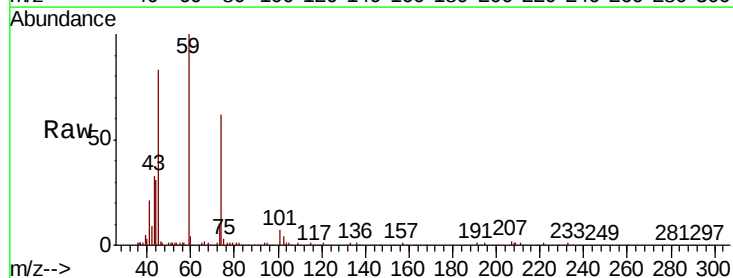
Tot Ion:101 Resp: 229674
Ion Ratio Lower Upper
101 100
103 60.5 48.5 72.7



#8

Diethyl Ether
Concen: 48.053 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 74 Resp: 33469
Ion Ratio Lower Upper
74 100
45 133.0 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.496 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062474.D

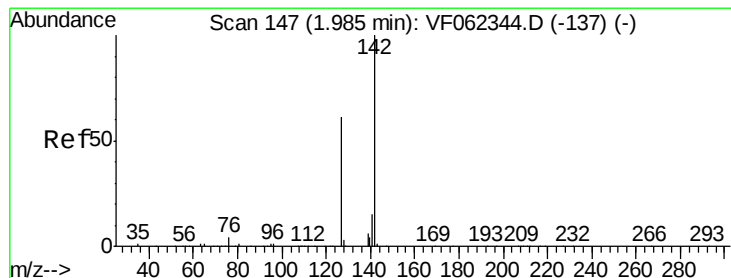
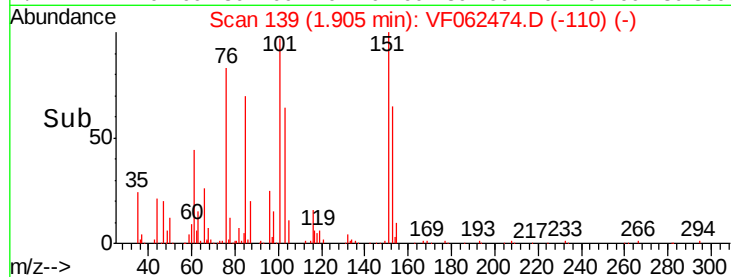
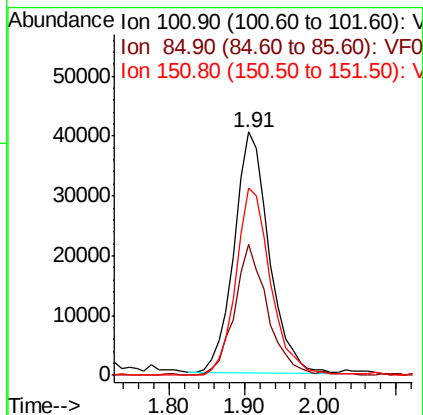
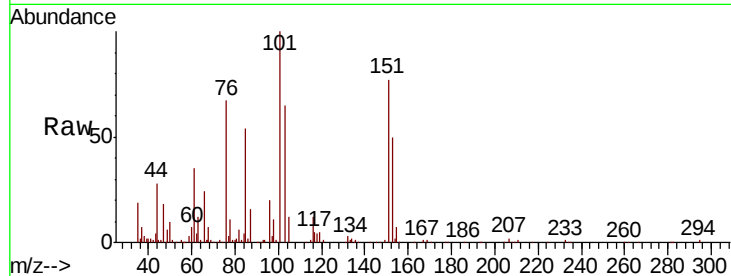
Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	101	Resp:	130077
Ion	Ratio	Lower	Upper
101	100		
85	51.9	39.5	59.3
151	76.6	59.9	89.9



#10

Methyl Iodide

Concen: 50.062 ug/l

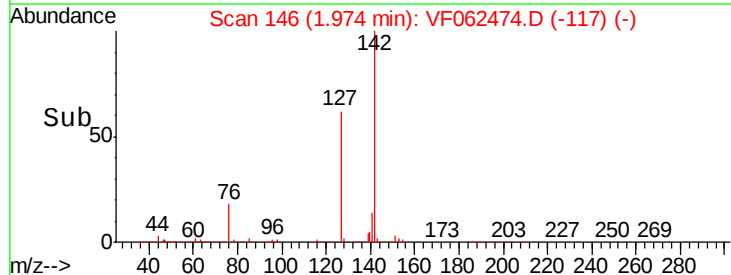
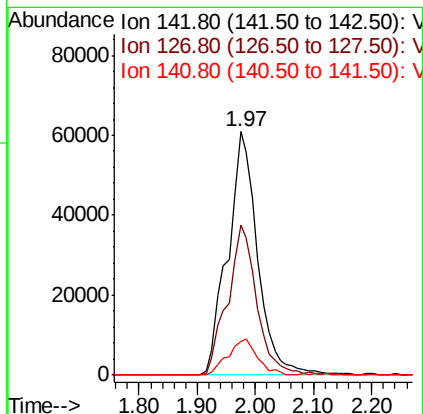
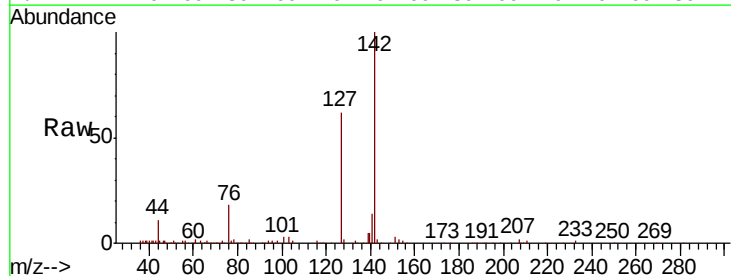
RT: 1.97 min Scan# 146

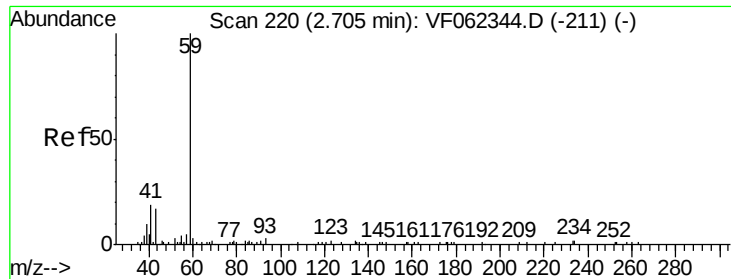
Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion:	142	Resp:	216808
Ion	Ratio	Lower	Upper
142	100		
127	60.3	48.4	72.6
141	14.7	12.2	18.4



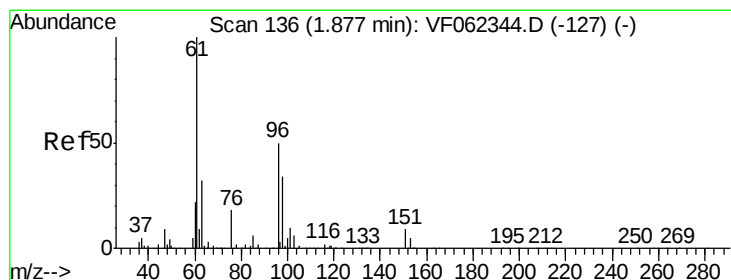
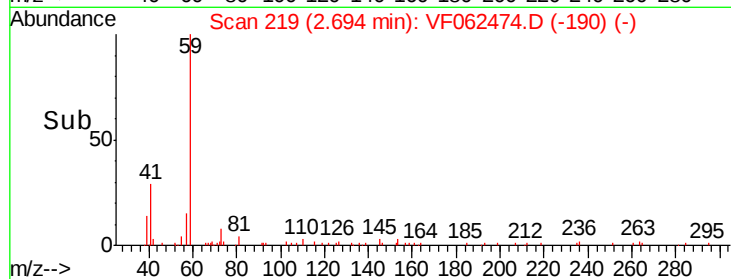
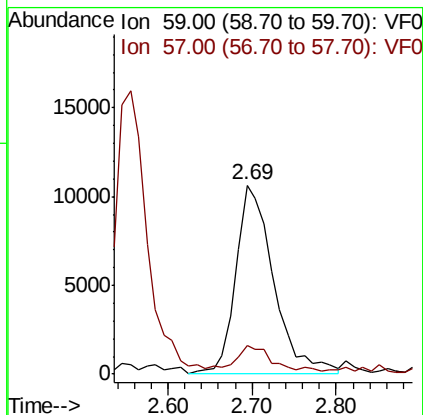
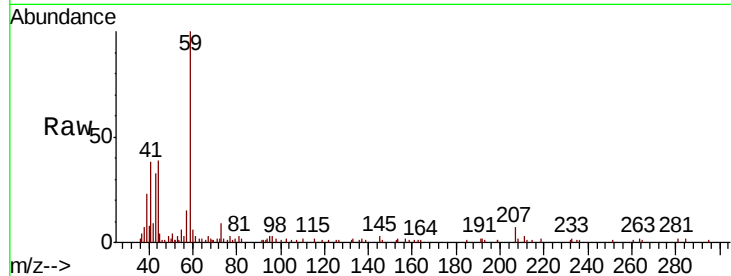


#11

Tert butyl alcohol
 Concen: 215.862 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Instrument :
 MSVOA_F
 ClientSampleId :

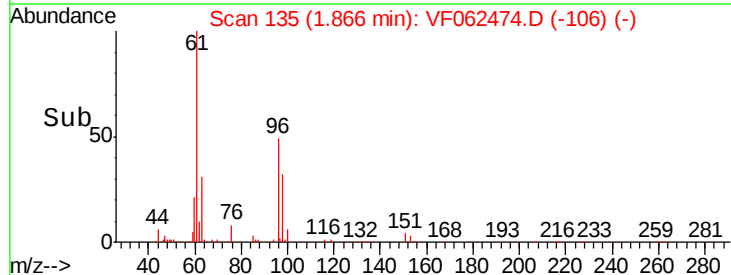
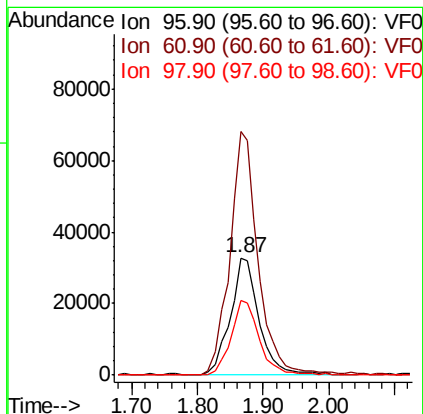
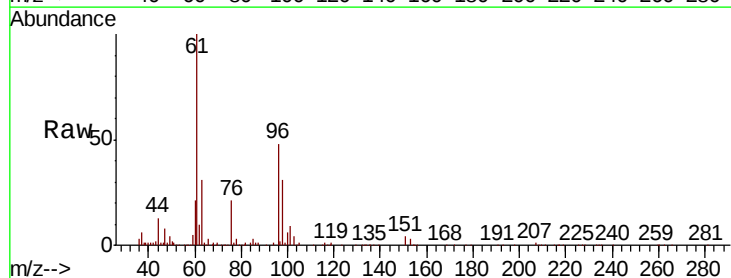
Tot Ion: 59 Resp: 33597
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9

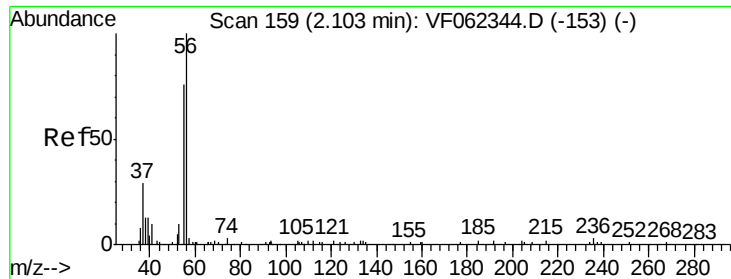


#12

1,1-Dichloroethene
 Concen: 45.171 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 96 Resp: 100919
 Ion Ratio Lower Upper
 96 100
 61 206.8 163.2 244.8
 98 63.7 55.2 82.8

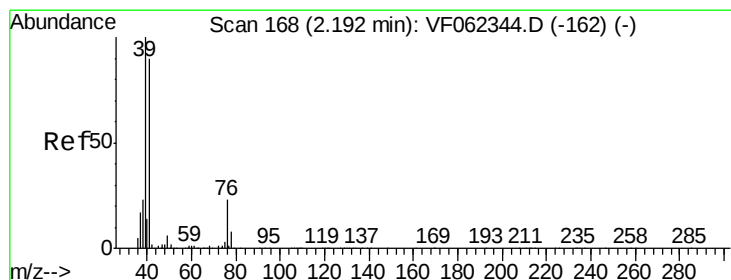
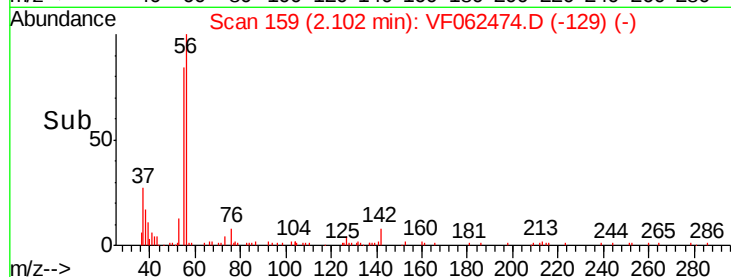
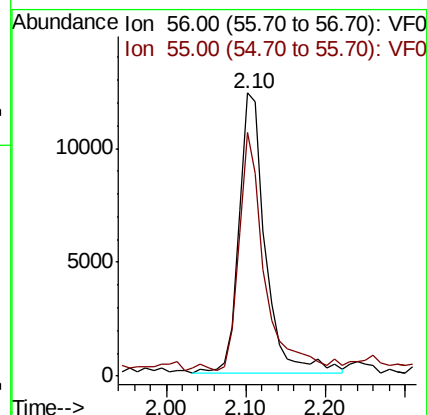
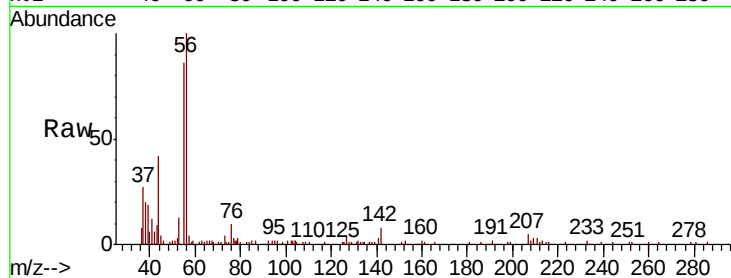




#13
Acrolein
Concen: 299.202 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

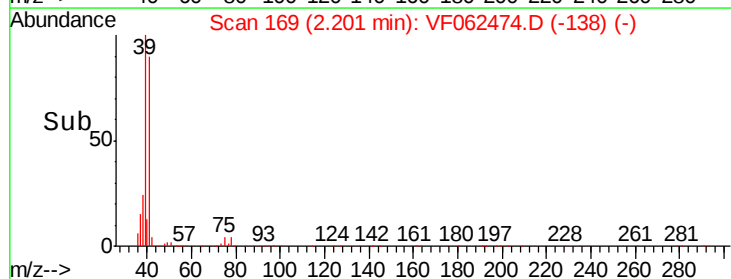
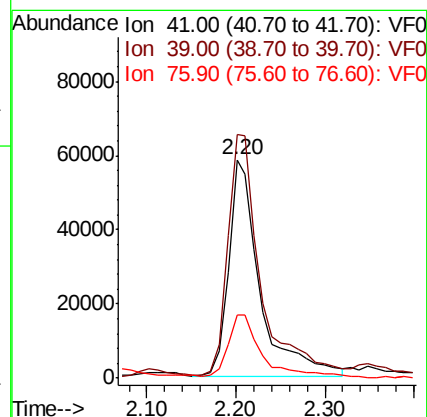
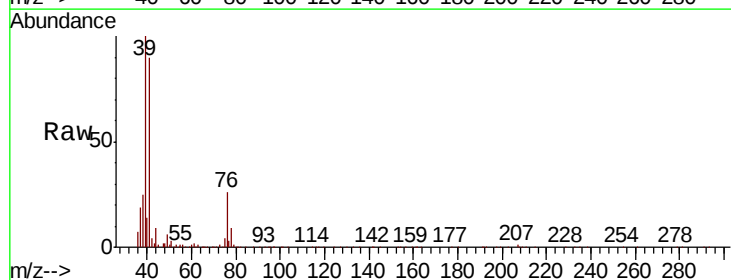
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 28385
Ion Ratio Lower Upper
56 100
55 81.4 58.4 87.6



#14
Allyl chloride
Concen: 73.066 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 41 Resp: 144199
Ion Ratio Lower Upper
41 100
39 118.6 90.8 136.2
76 30.7 22.2 33.4





#15

Acrylonitrile

Concen: 231.032 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

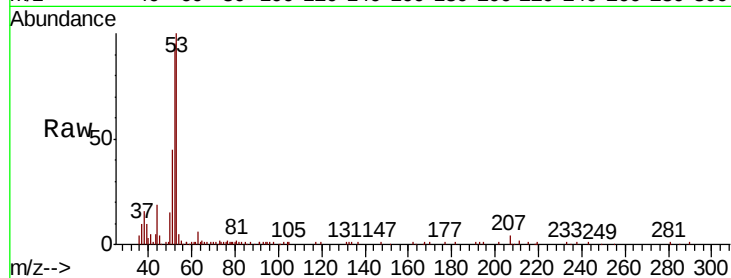
Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 68114

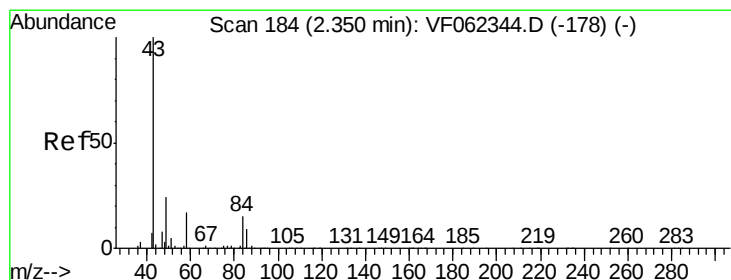
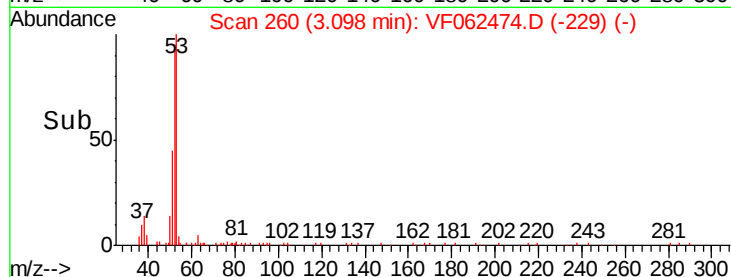
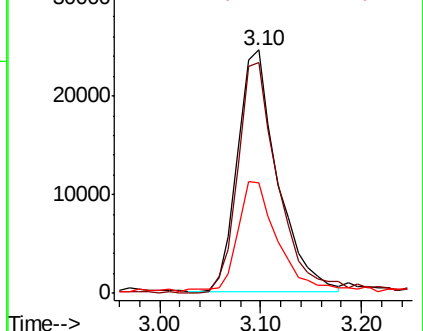
Ion	Ratio	Lower	Upper
53	100		
52	98.1	77.2	115.8
51	46.0	40.6	61.0



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 217.506 ug/l

RT: 2.36 min Scan# 185

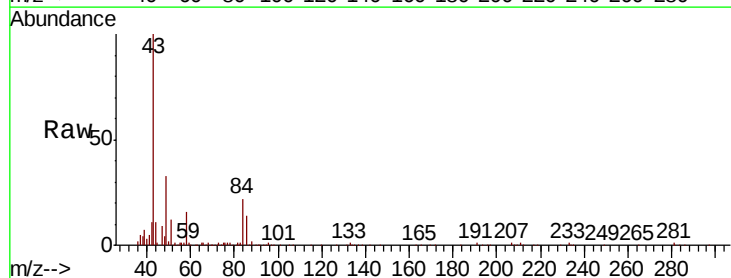
Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

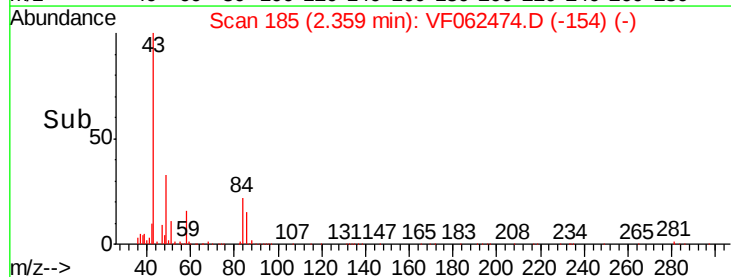
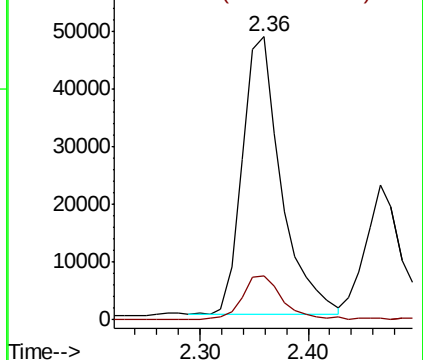
Tgt Ion: 43 Resp: 121170

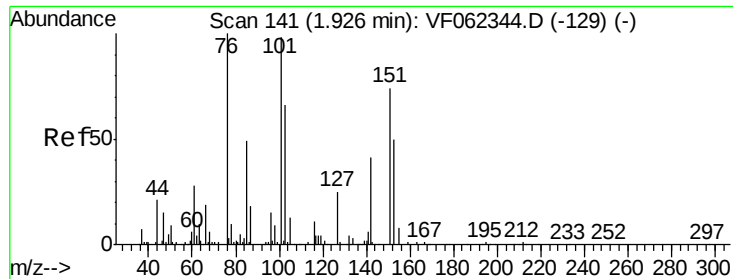
Ion	Ratio	Lower	Upper
43	100		
58	15.9	13.1	19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

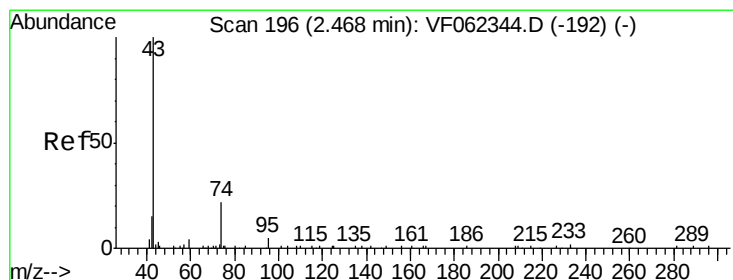
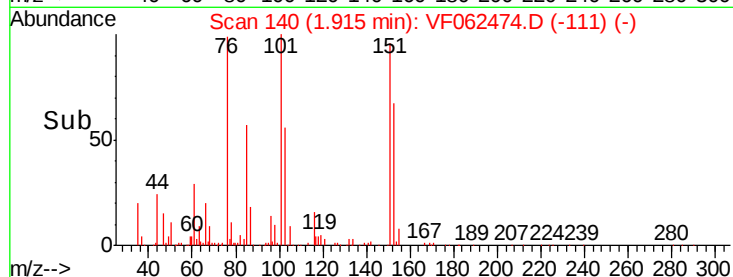
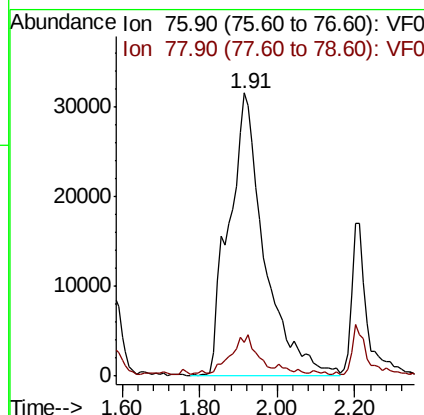
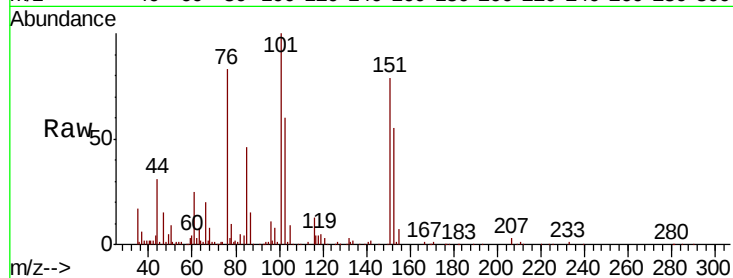




#17
Carbon Disulfide
Concen: 41.177 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

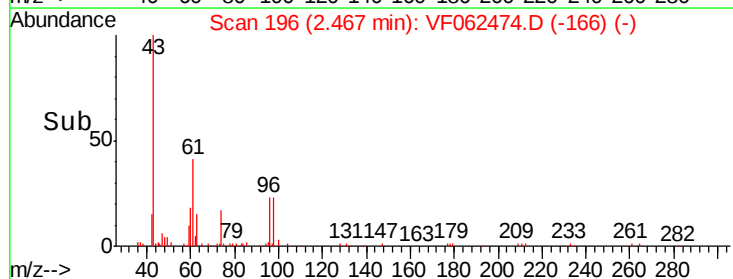
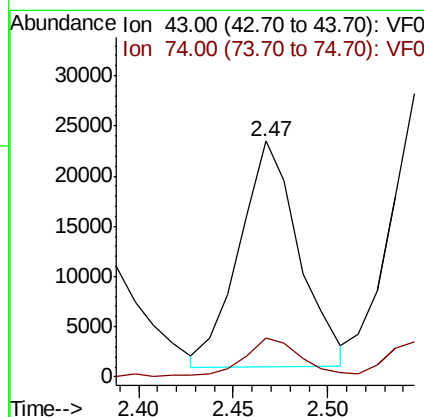
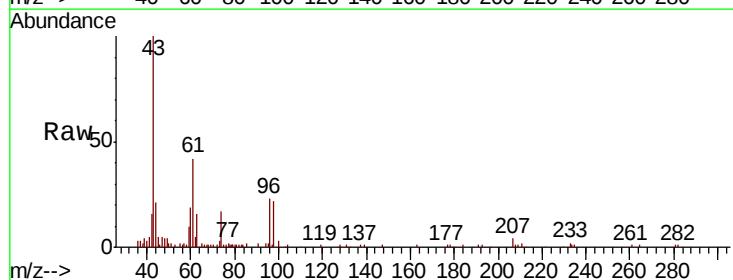
Instrument :
MSVOA_F
ClientSampleId :

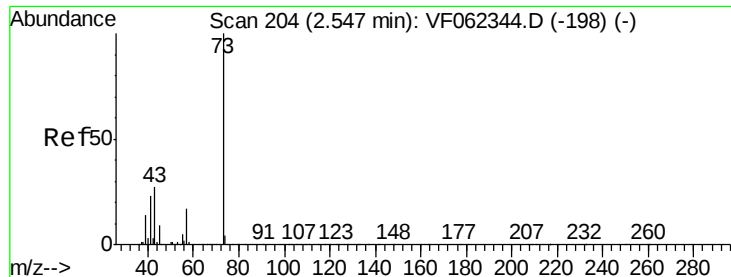
Tot Ion: 76 Resp: 200590
Ion Ratio Lower Upper
76 100
78 11.5 9.0 13.4



#18
Methyl Acetate
Concen: 48.285 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 43 Resp: 49164
Ion Ratio Lower Upper
43 100
74 15.9 15.0 22.4



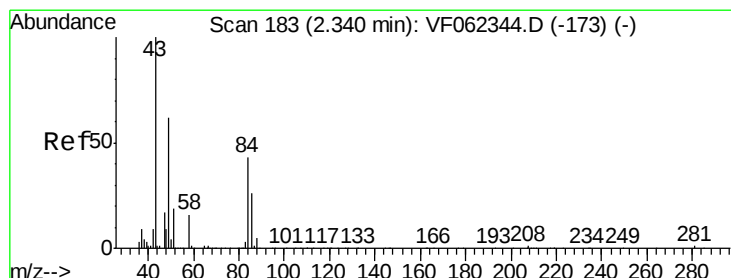
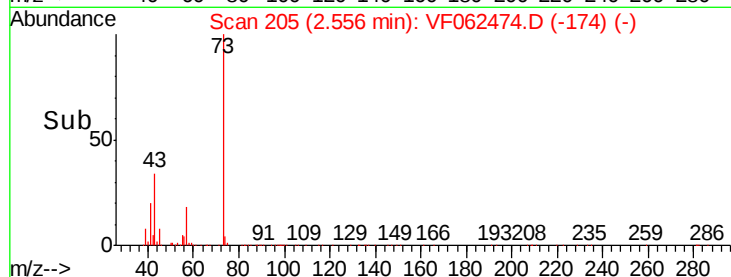
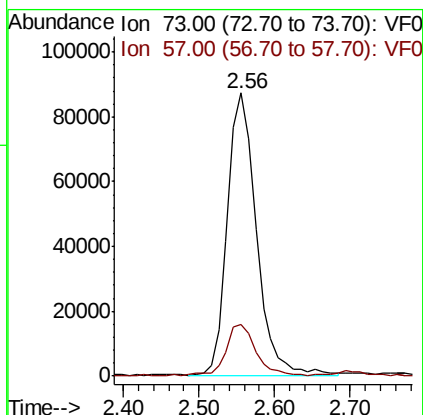
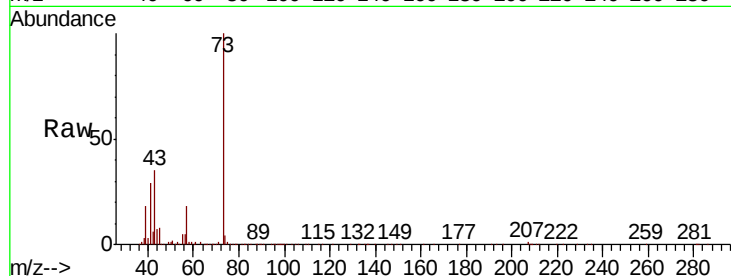


#19

Methyl tert-butyl Ether
 Concen: 50.051 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Instrument :
 MSVOA_F
 ClientSampleId :

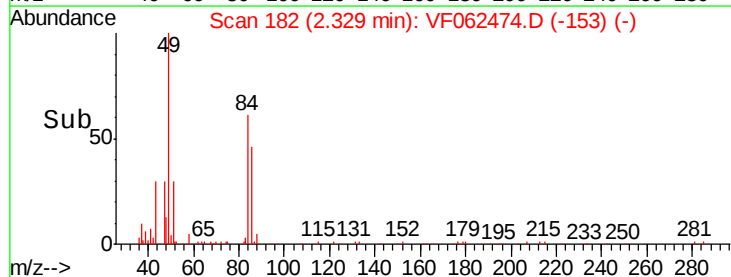
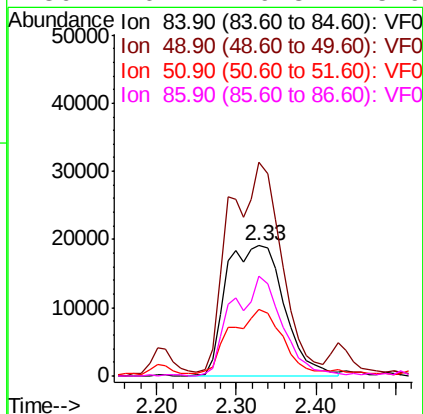
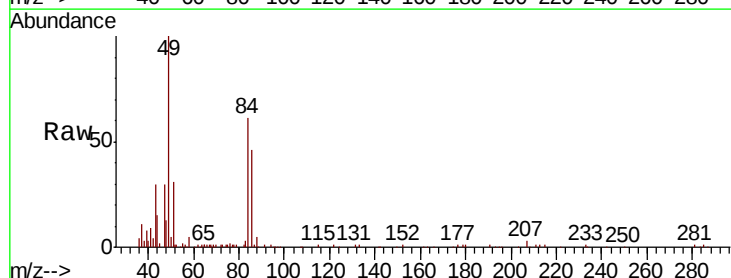
Tot Ion: 73 Resp: 230826
 Ion Ratio Lower Upper
 73 100
 57 17.8 13.7 20.5

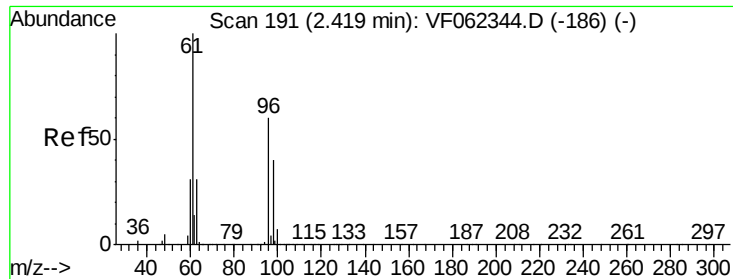


#20

Methylene Chloride
 Concen: 48.216 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 84 Resp: 97181
 Ion Ratio Lower Upper
 84 100
 49 160.1 117.5 176.3
 51 48.7 37.0 55.4
 86 76.1 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 43.261 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

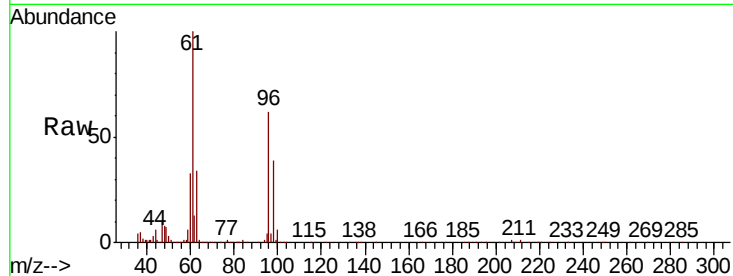
Tot Ion: 96 Resp: 92086

Ion Ratio Lower Upper

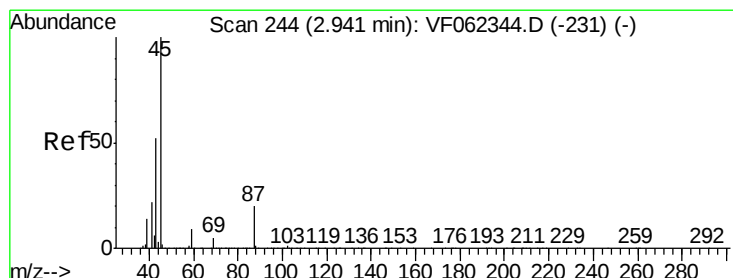
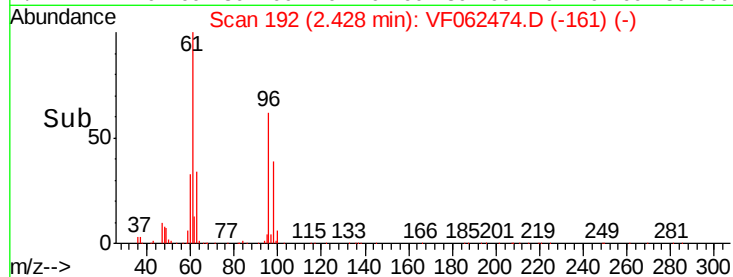
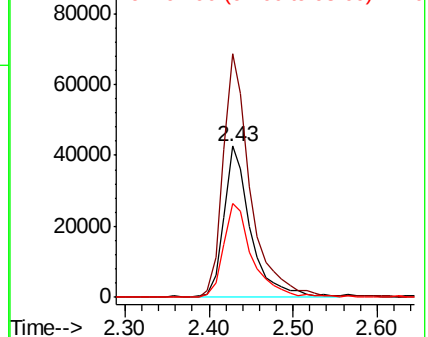
96 100

61 161.7 133.2 199.8

98 62.2 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 47.837 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 45 Resp: 295069

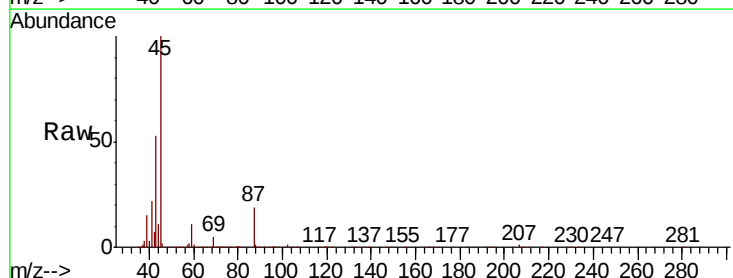
Ion Ratio Lower Upper

45 100

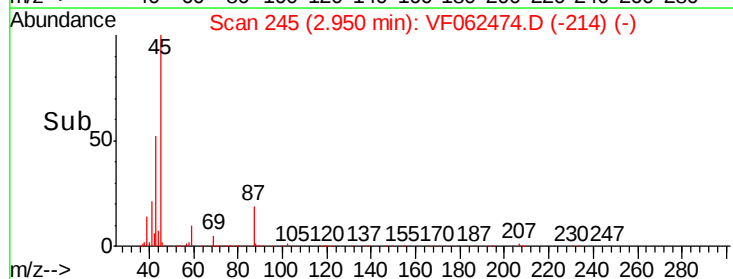
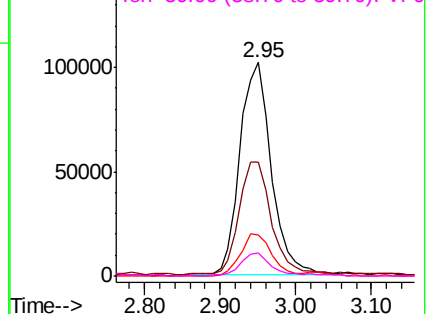
43 52.6 41.4 62.0

87 19.4 15.8 23.6

59 10.2 7.2 10.8



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 240.922 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

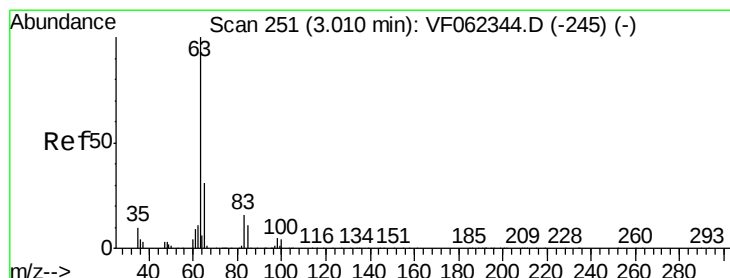
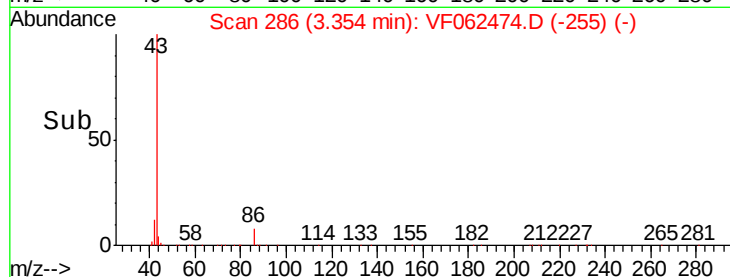
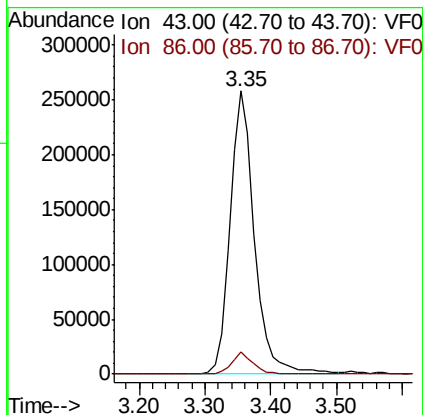
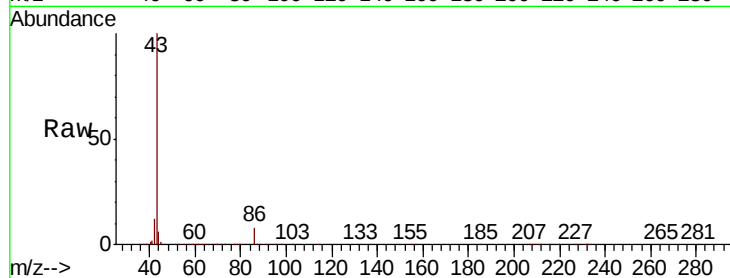
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 662317

Ion Ratio Lower Upper

43 100

86 7.7 5.7 8.5



#24

1,1-Dichloroethane

Concen: 52.290 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

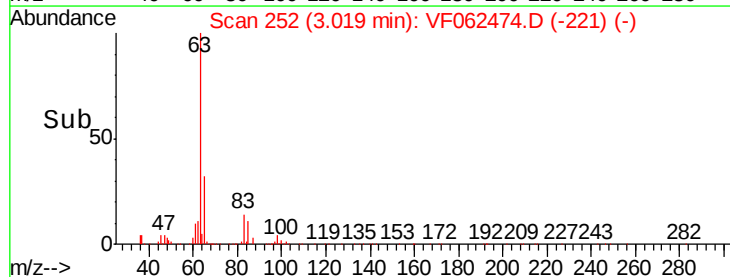
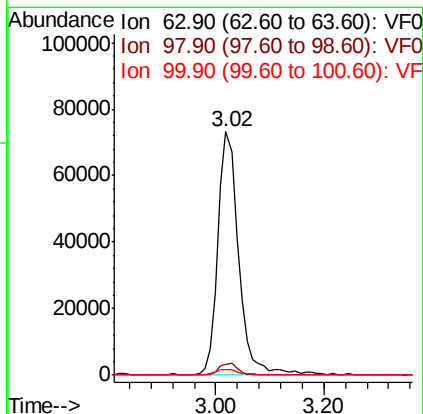
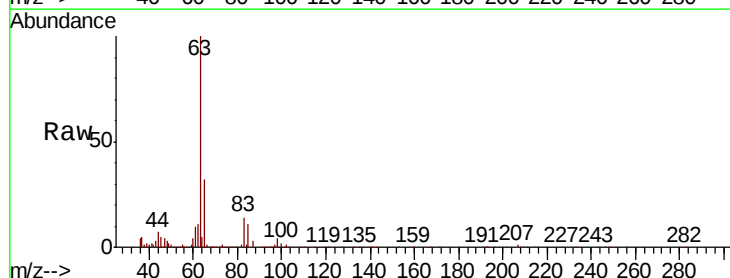
Tgt Ion: 63 Resp: 194931

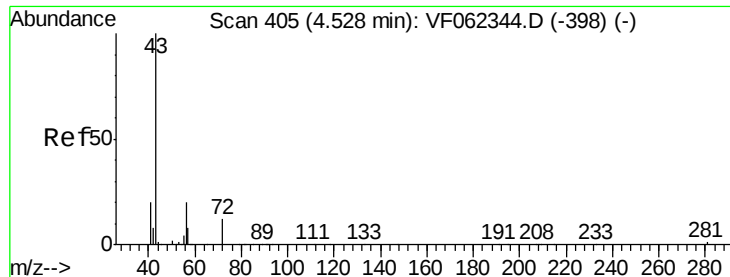
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 2.1 1.8 5.4

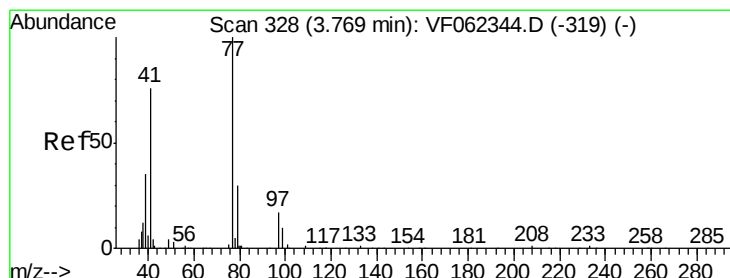
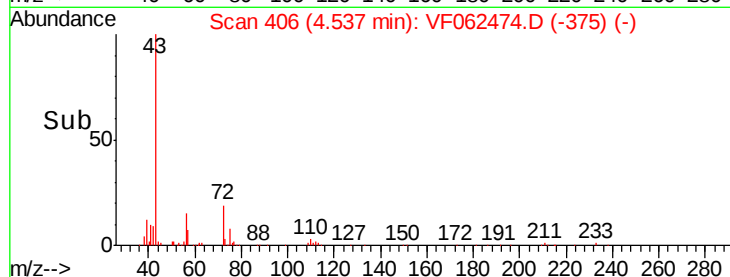
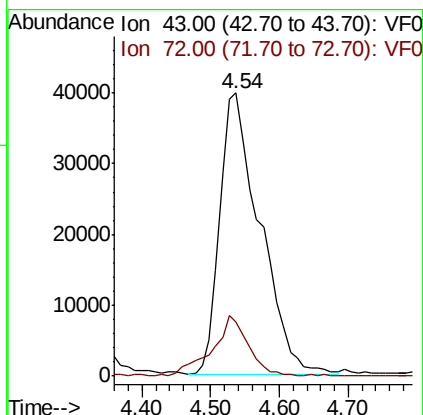
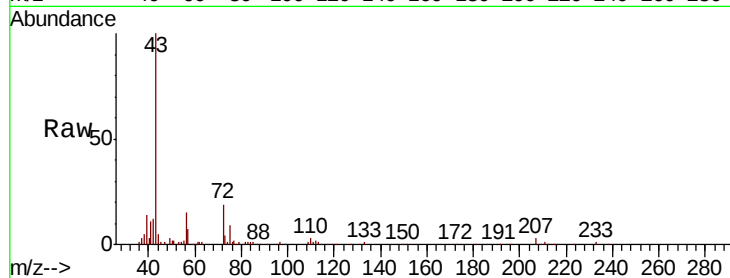




#25
2-Butanone
Concen: 228.225 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

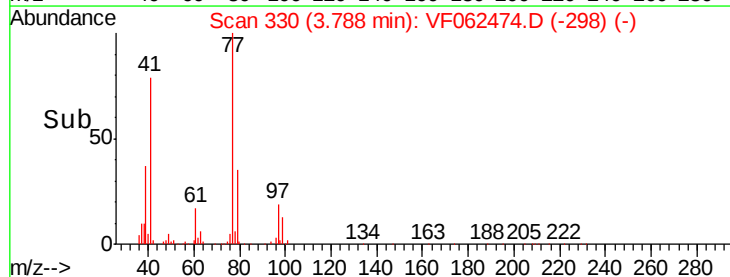
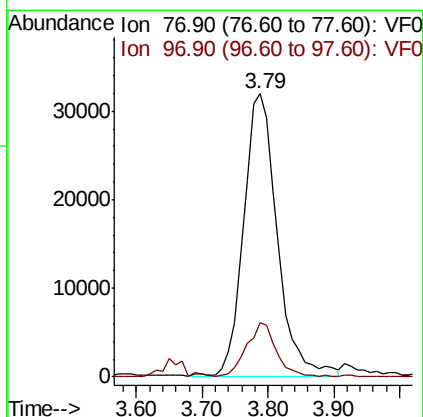
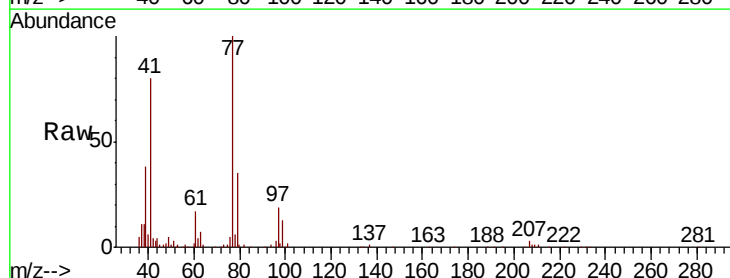
Instrument :
MSVOA_F
ClientSampleId :

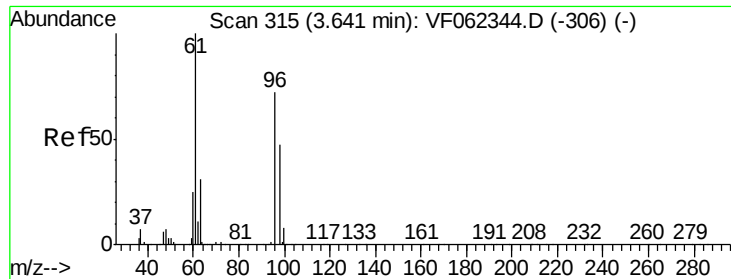
Tot Ion: 43 Resp: 159731
Ion Ratio Lower Upper
43 100
72 19.1 14.2 21.4



#26
2,2-Dichloropropane
Concen: 54.810 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 77 Resp: 114106
Ion Ratio Lower Upper
77 100
97 17.2 9.5 28.5



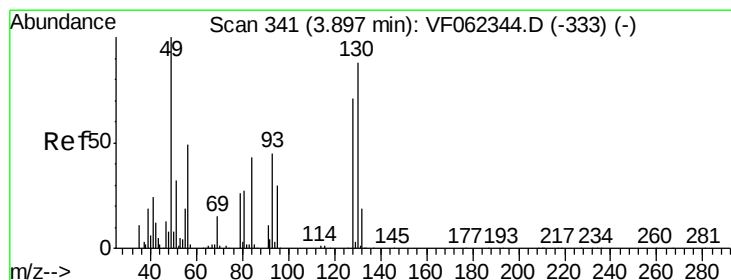
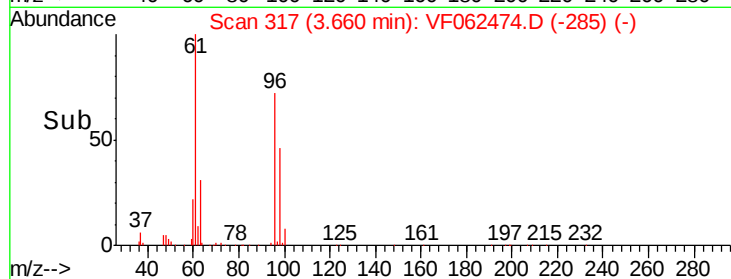
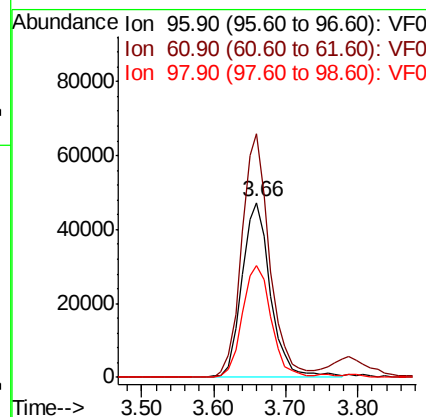
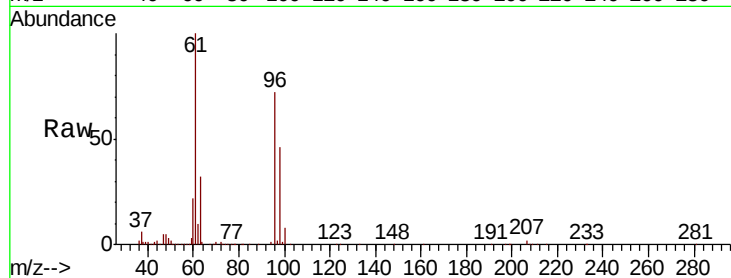


#27

cis-1,2-Dichloroethene
Concen: 49.346 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

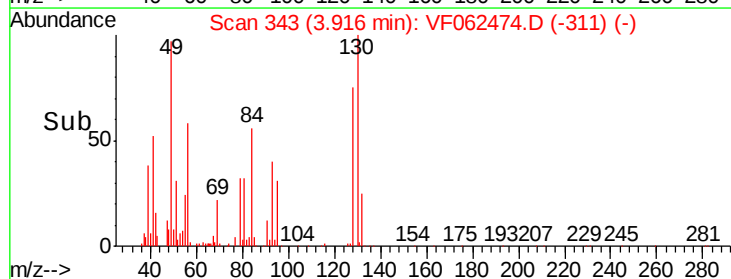
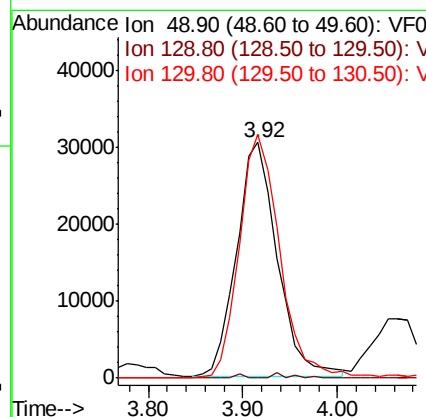
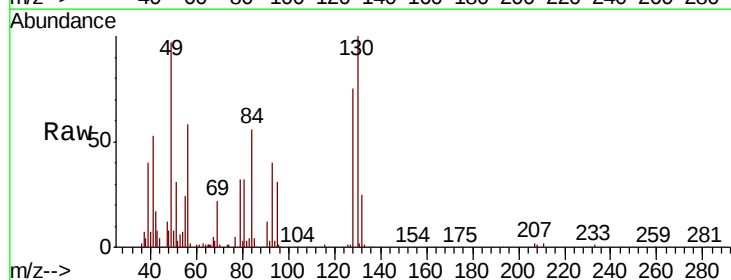
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	263.0
98	64.4	0.0	130.8

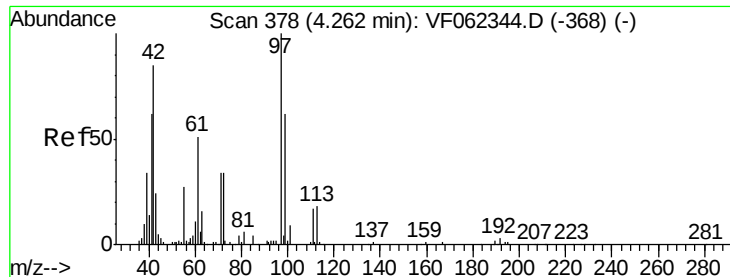


#28

Bromochloromethane
Concen: 53.951 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	103.8	79.4	119.0





#29

Tetrahydrofuran

Concen: 207.107 ug/l

RT: 4.28 min Scan# 380

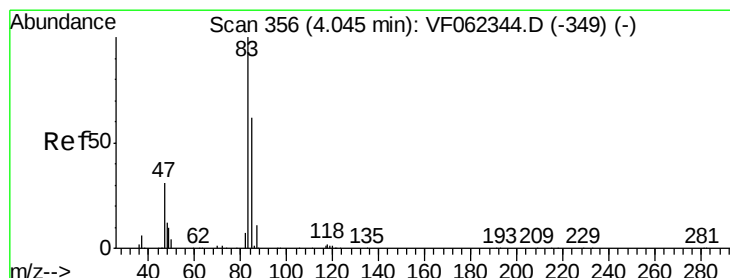
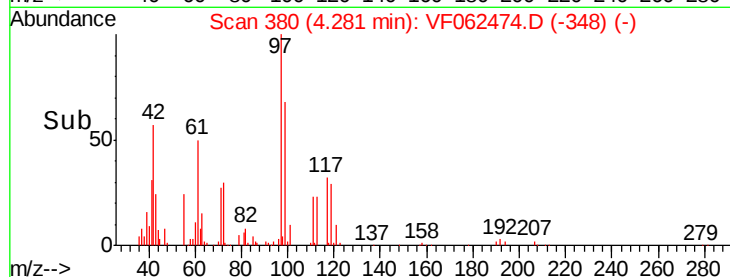
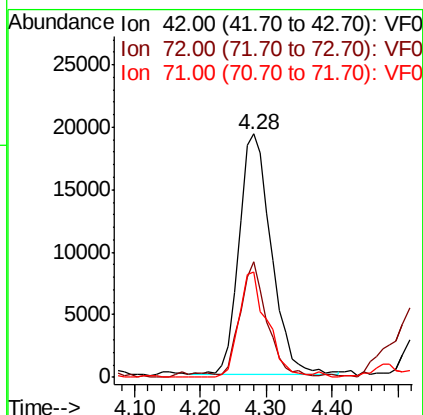
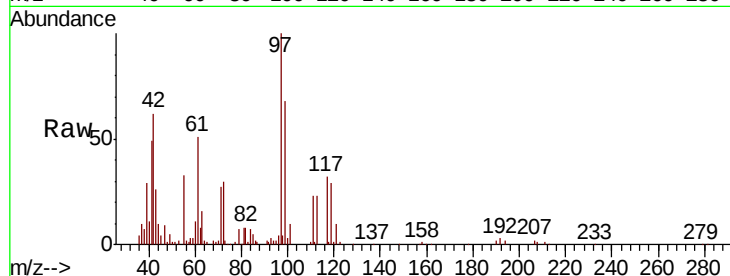
Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	66619
Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.0
71	38.5	31.7	47.5



#30

Chloroform

Concen: 52.242 ug/l

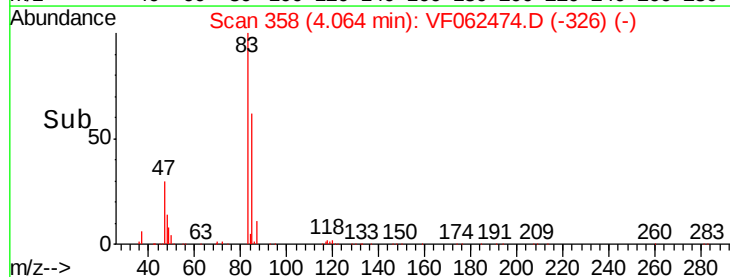
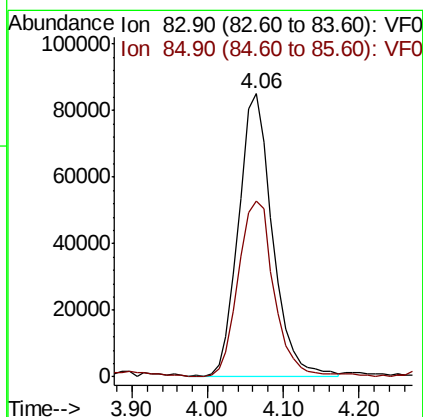
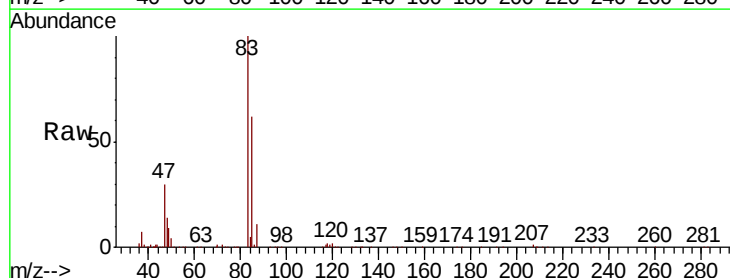
RT: 4.06 min Scan# 358

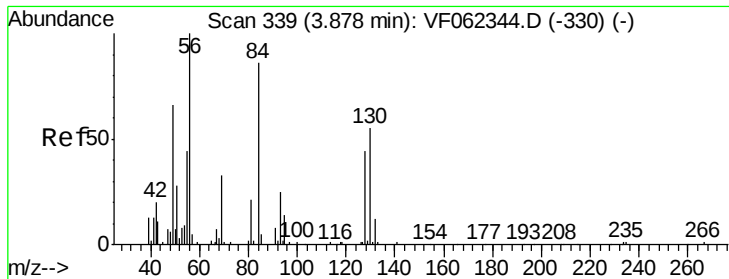
Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion:	83	Resp:	263110
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.6	74.4

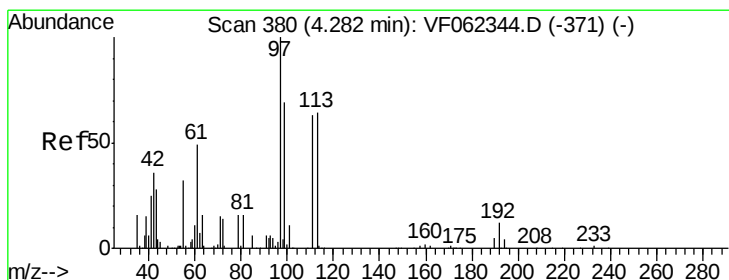
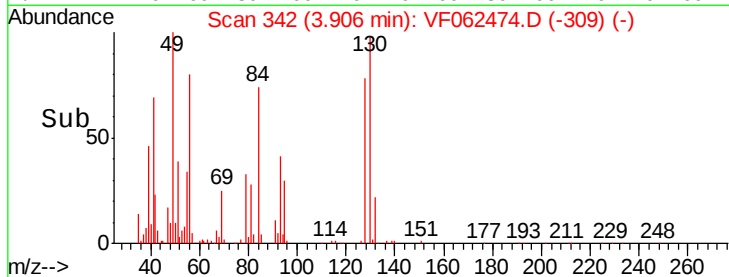
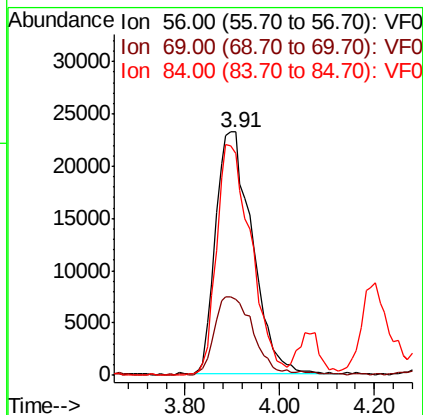
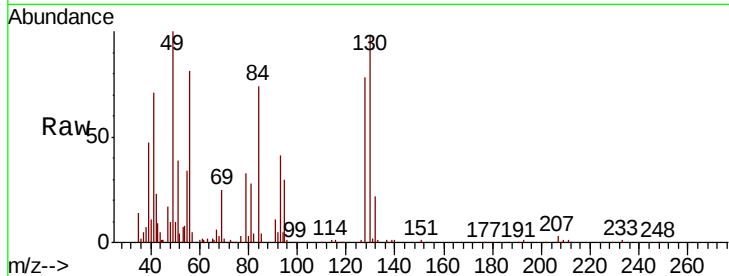




#31
Cyclohexane
Concen: 41.839 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

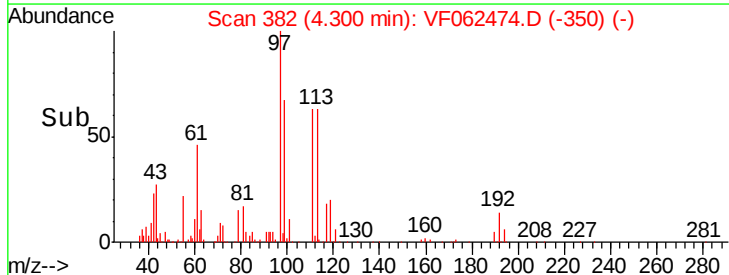
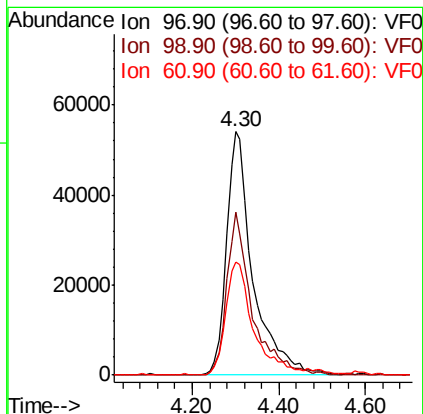
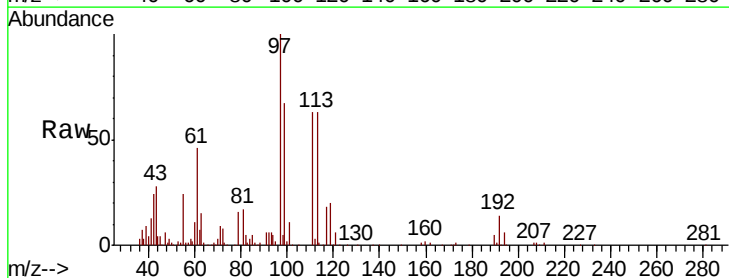
Instrument :
MSVOA_F
ClientSampleId :

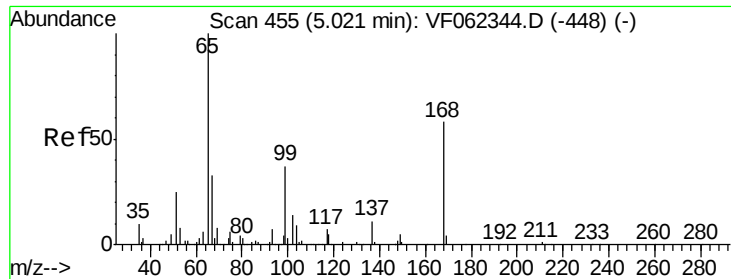
Tot Ion: 56 Resp: 124493
Ion Ratio Lower Upper
56 100
69 31.5 26.4 39.6
84 91.2 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 52.921 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 97 Resp: 228434
Ion Ratio Lower Upper
97 100
99 64.3 52.6 78.8
61 49.0 39.4 59.0

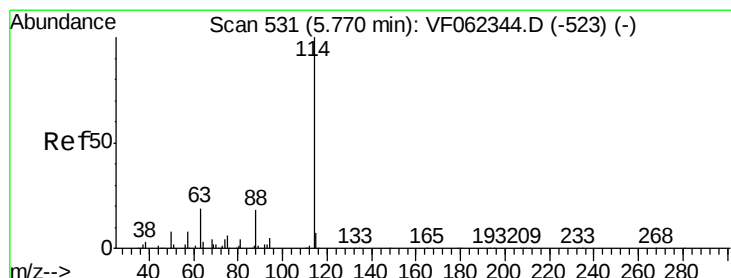
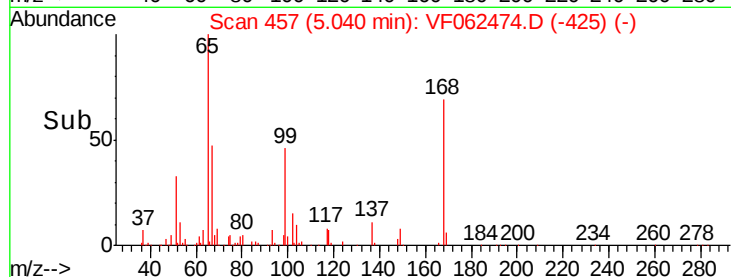
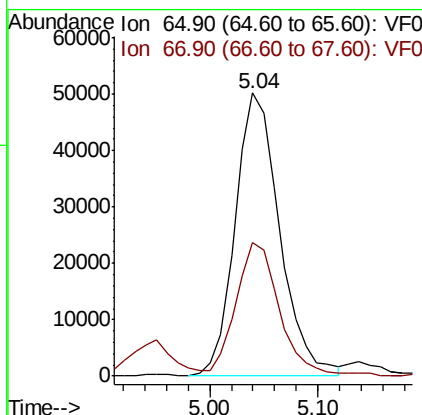
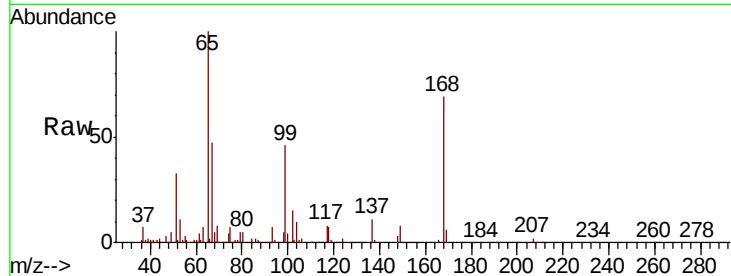




#33
 1,2-Dichloroethane-d4
 Concen: 52.185 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

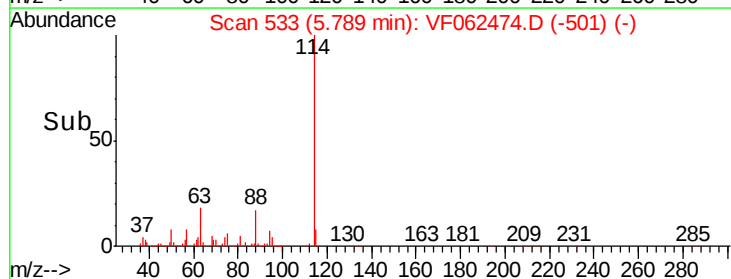
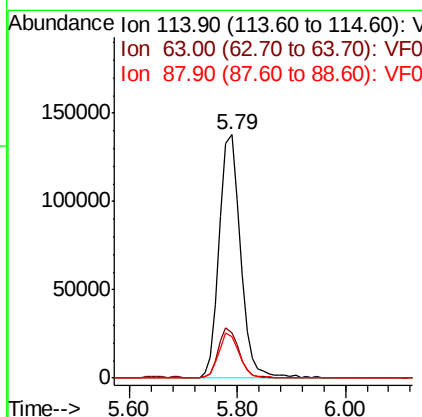
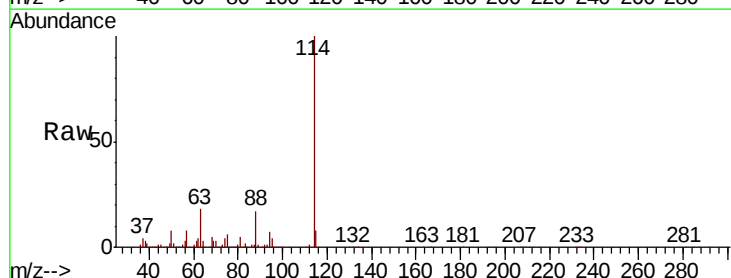
Instrument :
 MSVOA_F
 ClientSampleId :

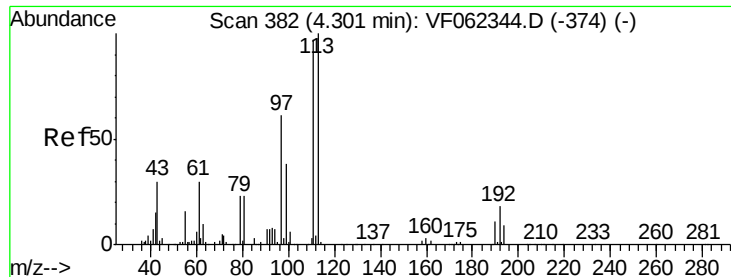
Tot Ion: 65 Resp: 143711
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 114 Resp: 377244
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.4
 88 17.2 0.0 36.4

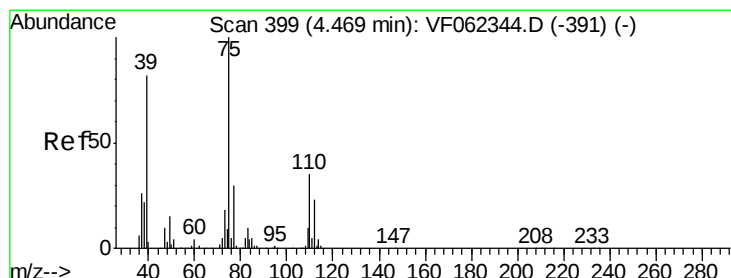
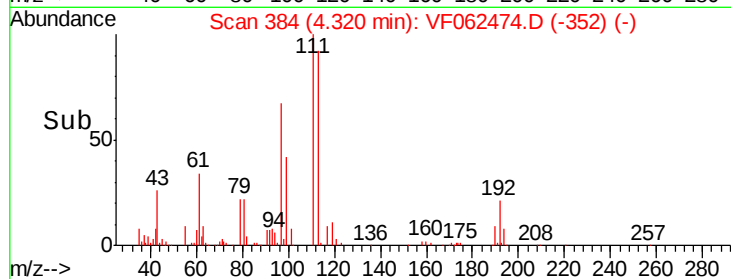
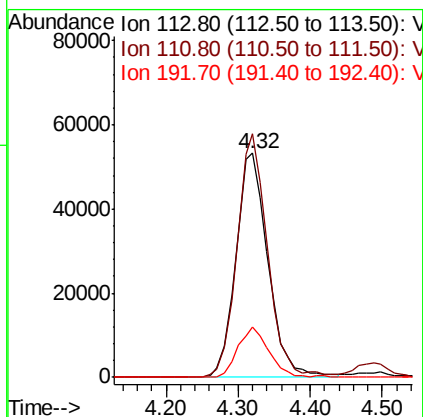
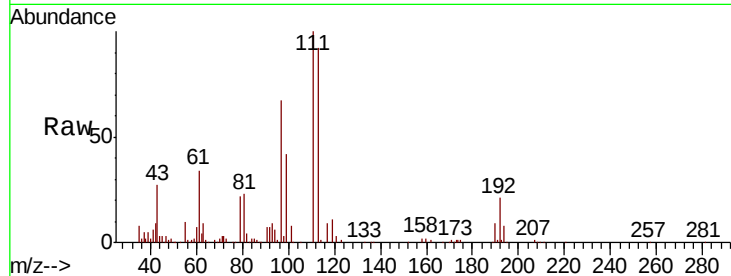




#35
 Dibromofluoromethane
 Concen: 55.096 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

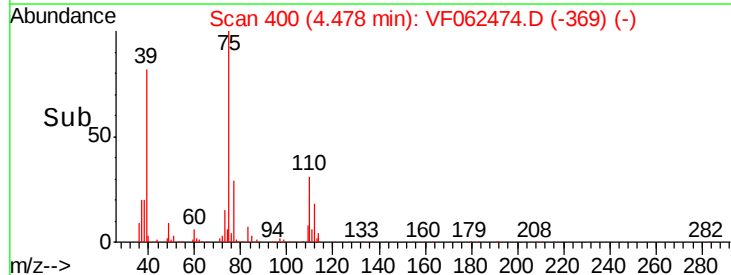
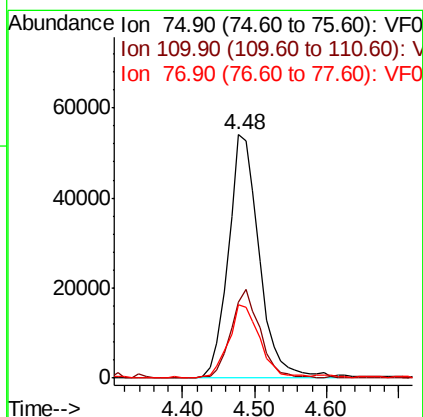
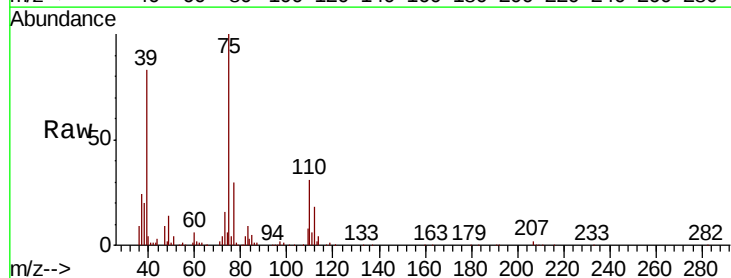
Instrument :
 MSVOA_F
 ClientSampleId :

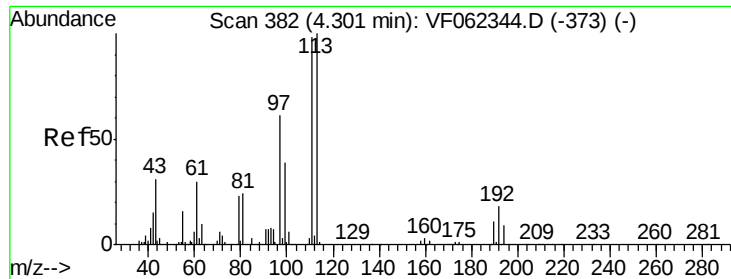
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.4	119.0
192	21.9	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 49.803 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.5
77	30.4	25.2	37.8

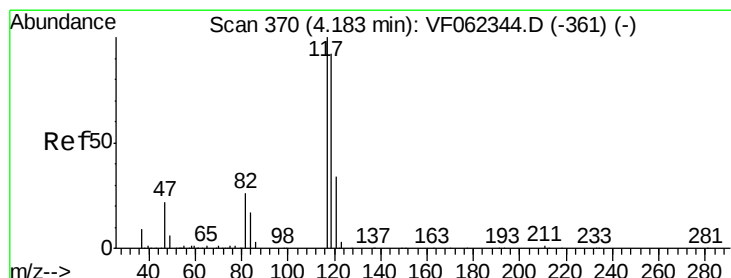
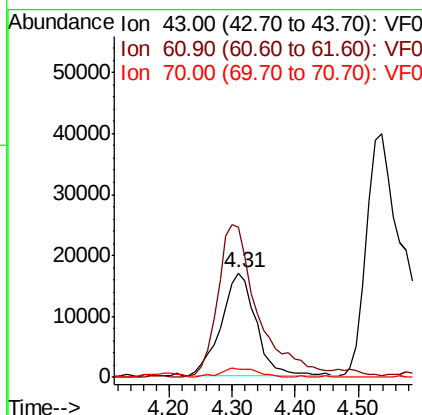
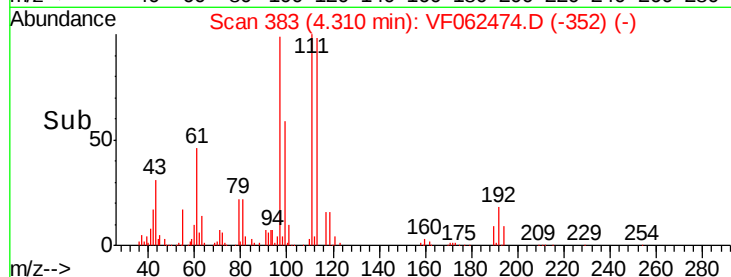
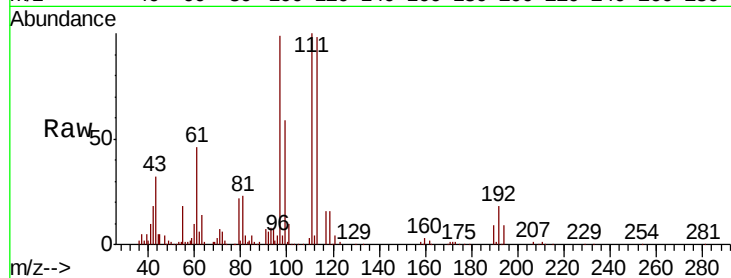




#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

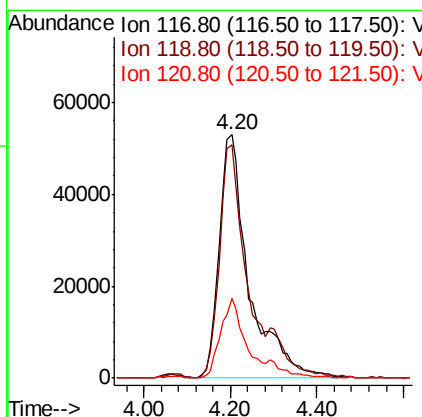
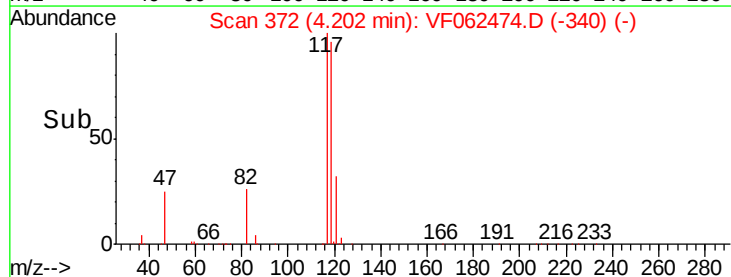
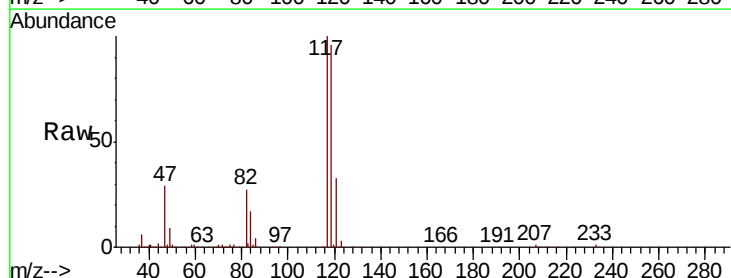
Instrument :
MSVOA_F
ClientSampled :

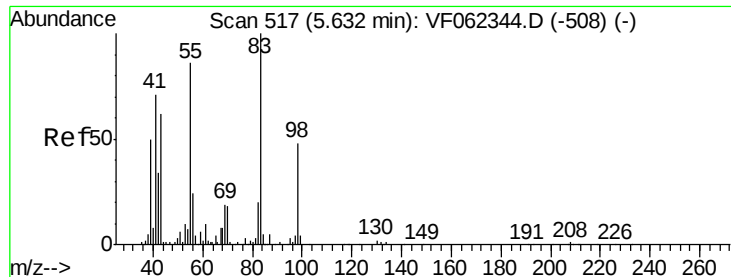
Tot Ion: 43 Resp: 63786
Ion Ratio Lower Upper
43 100
61 175.5 0.0 0.0#
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 77.324 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 117 Resp: 254806
Ion Ratio Lower Upper
117 100
119 95.4 73.4 110.2
121 32.2 27.4 41.0

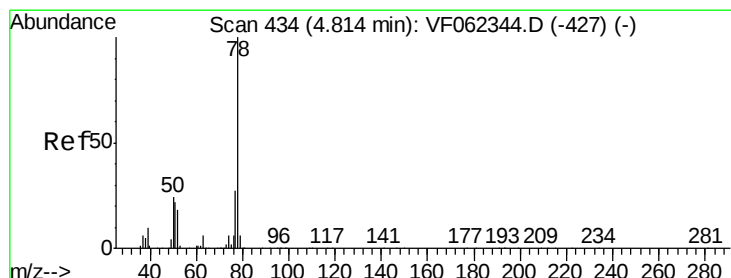
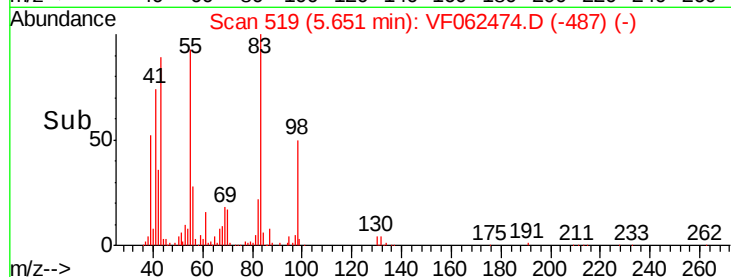
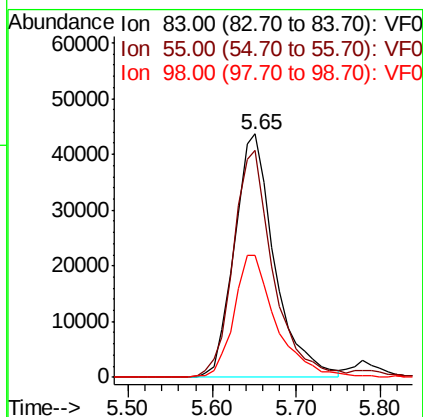
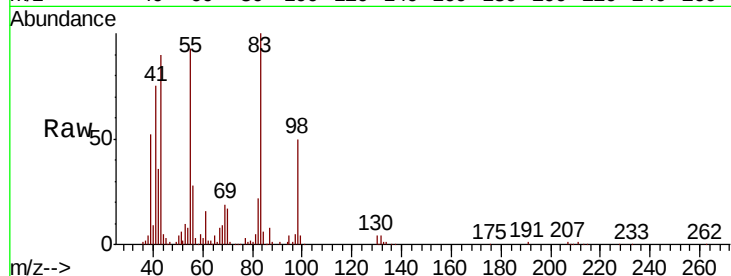




#39
Methvlcvclohexane
Concen: 44.807 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

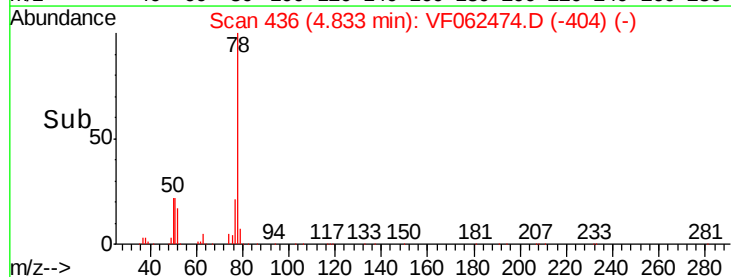
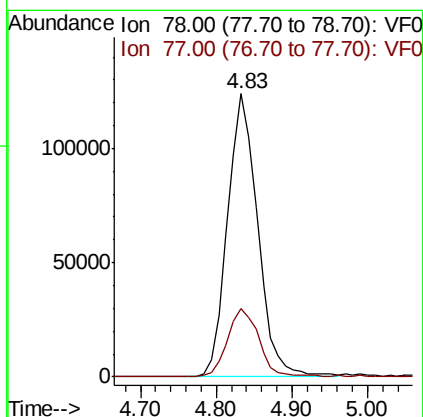
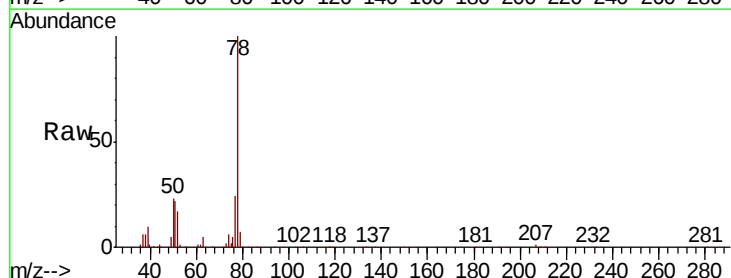
Instrument :
MSVOA_F
ClientSampleId :

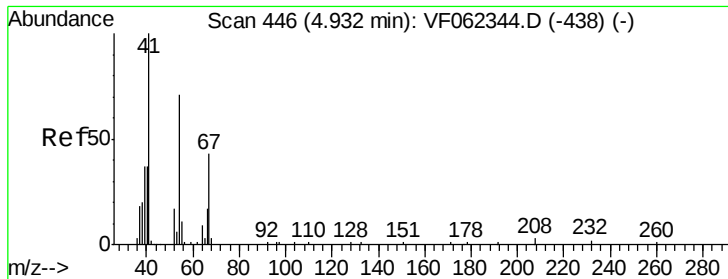
Tot Ion: 83 Resp: 145627
Ion Ratio Lower Upper
83 100
55 92.7 69.0 103.6
98 49.9 38.6 58.0



#40
Benzene
Concen: 48.017 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 78 Resp: 342658
Ion Ratio Lower Upper
78 100
77 24.2 21.6 32.4

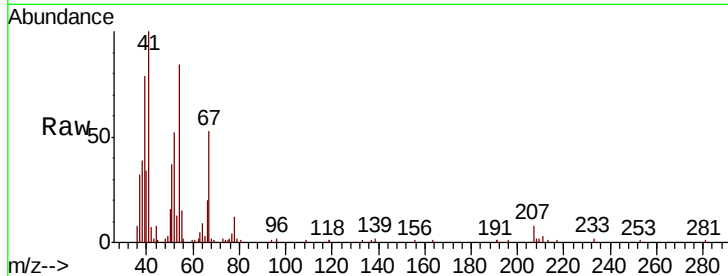




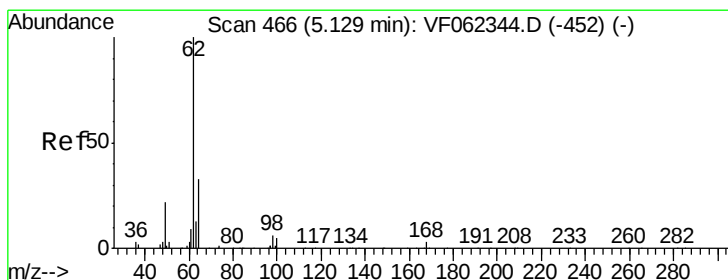
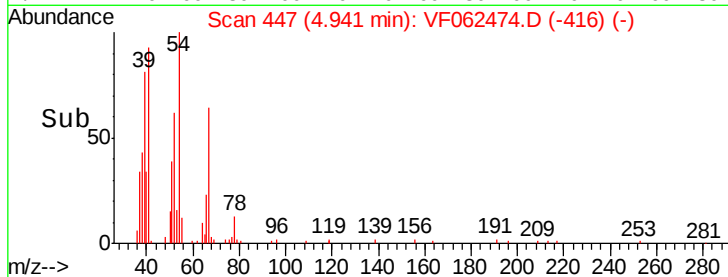
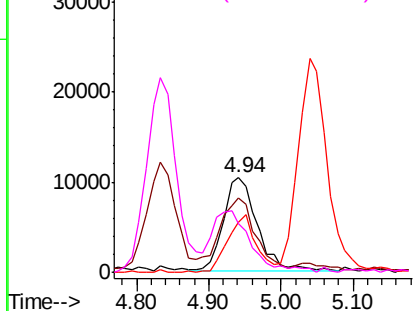
#41
Methacrylonitrile
Concen: 43.740 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	33988
Ion	Ratio	Lower	Upper
41	100		
39	80.8	54.3	81.5
67	51.3	37.8	56.8
52	73.0	58.2	87.4

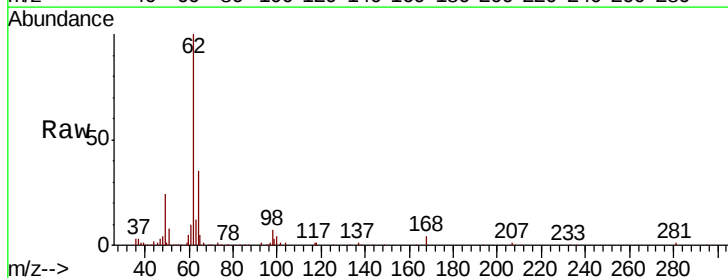


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

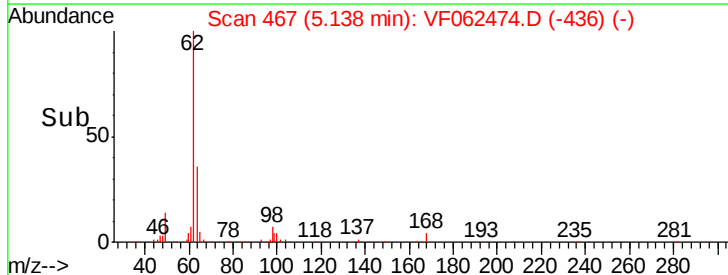
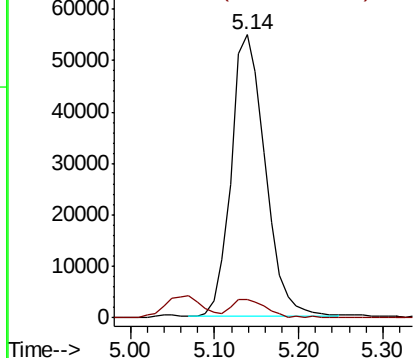


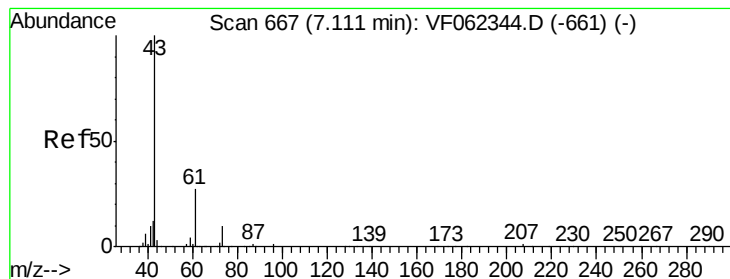
#42
1,2-Dichloroethane
Concen: 51.152 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:	62	Resp:	152668
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



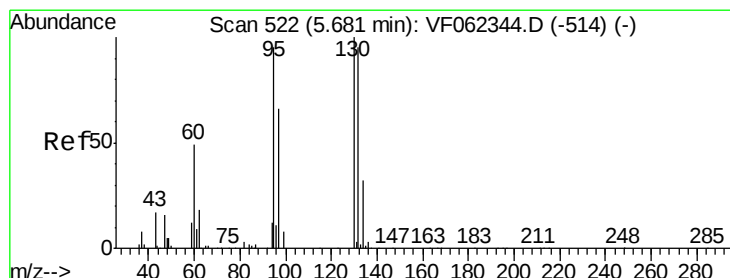
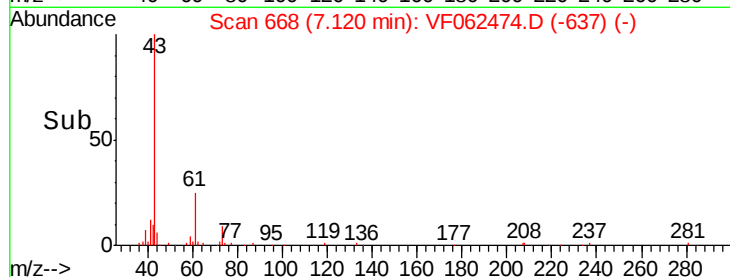
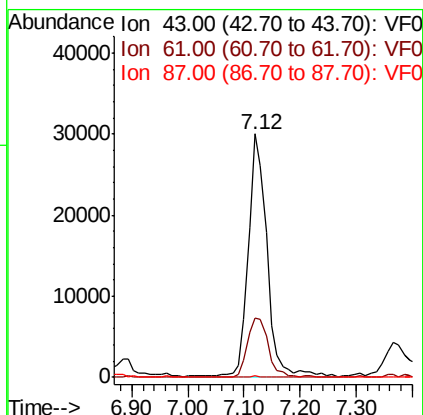
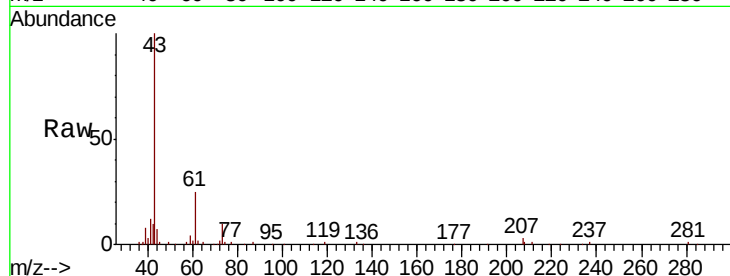


#43

Isopropyl Acetate
 Concen: 47.695 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Instrument :
 MSVOA_F
 ClientSampleId :

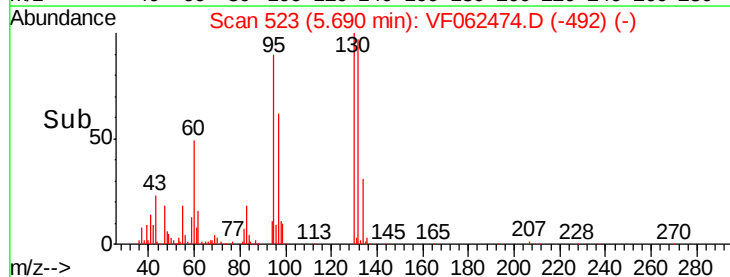
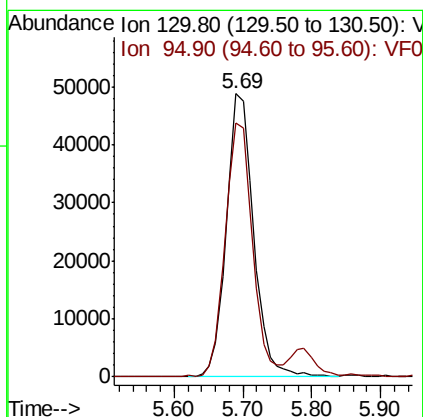
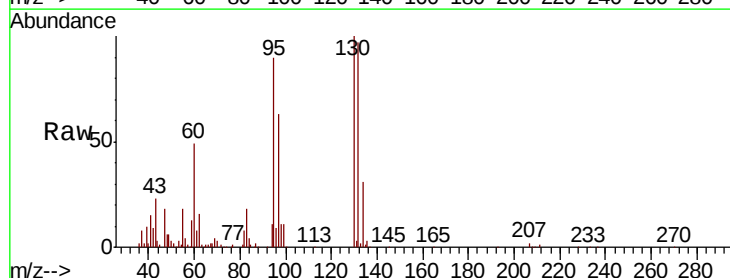
Tot Ion: 43 Resp: 70303
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.8 34.2
 87 0.2 0.6 1.0#

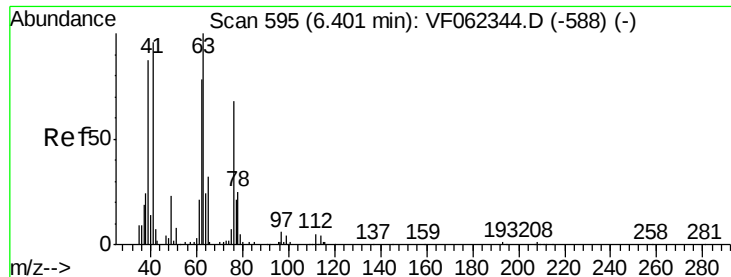


#44

Trichloroethene
 Concen: 51.078 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 130 Resp: 133897
 Ion Ratio Lower Upper
 130 100
 95 89.3 0.0 189.0





#45

1,2-Dichloropropane

Concen: 51.045 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

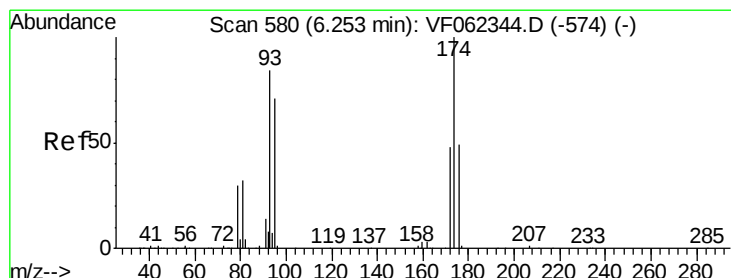
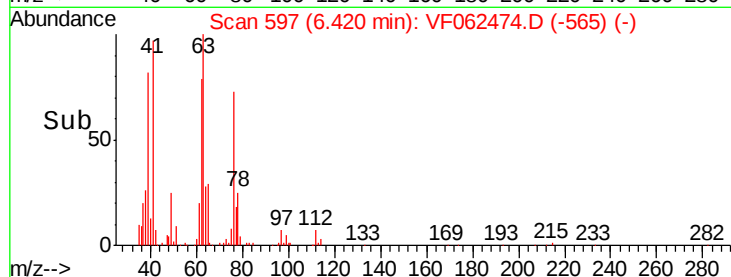
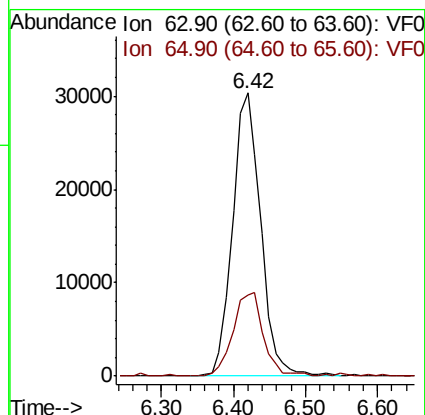
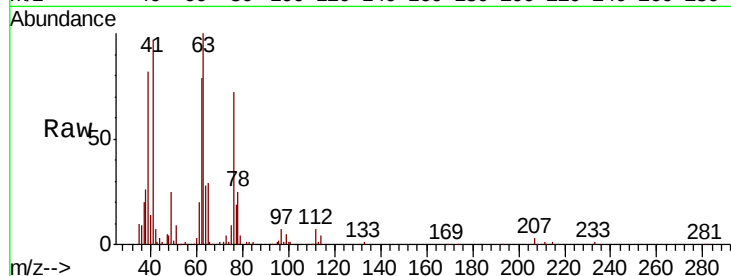
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 82507

Ion Ratio Lower Upper

63 100

65 28.7 25.6 38.4



#46

Dibromomethane

Concen: 52.465 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

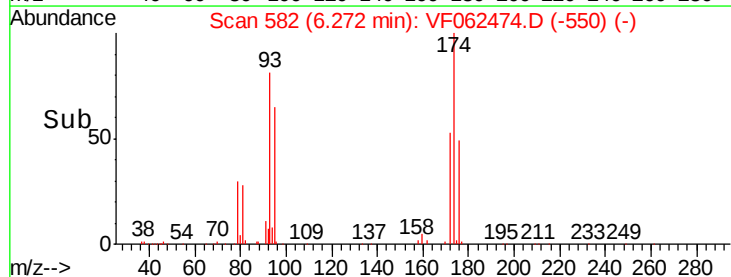
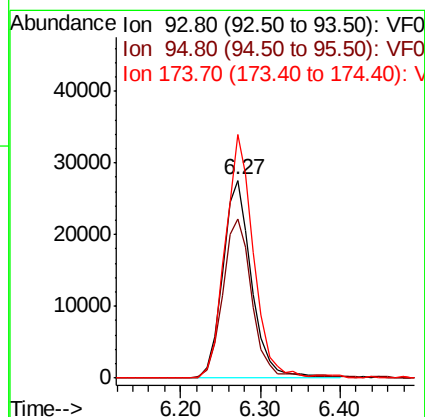
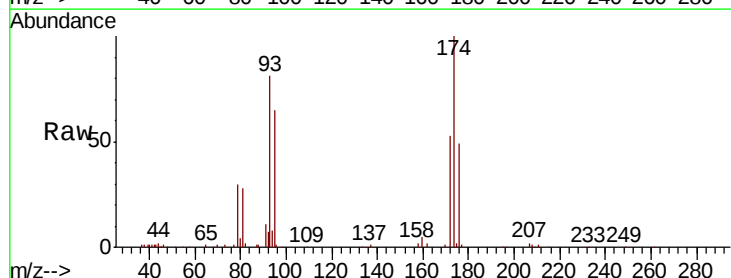
Tgt Ion: 93 Resp: 70311

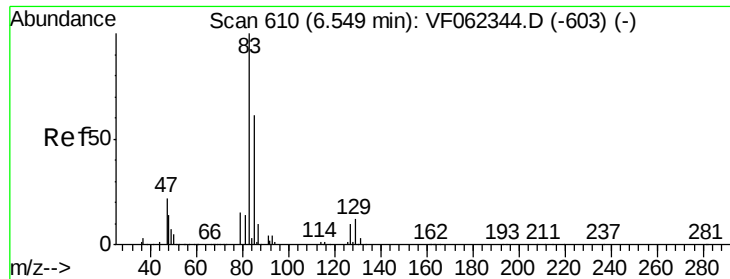
Ion Ratio Lower Upper

93 100

95 81.4 68.4 102.6

174 119.9 99.6 149.4





#47

Bromodichloromethane

Concen: 51.771 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

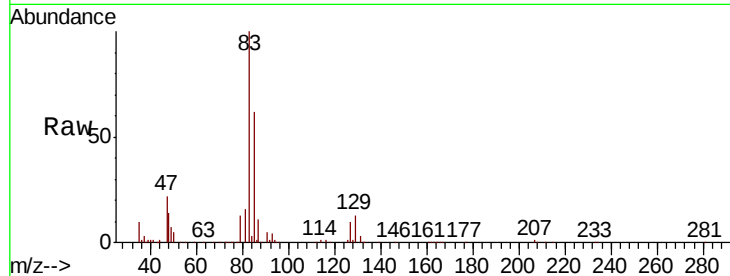
Tot Ion: 83 Resp: 173466

Ion Ratio Lower Upper

83 100

85 62.2 49.1 73.7

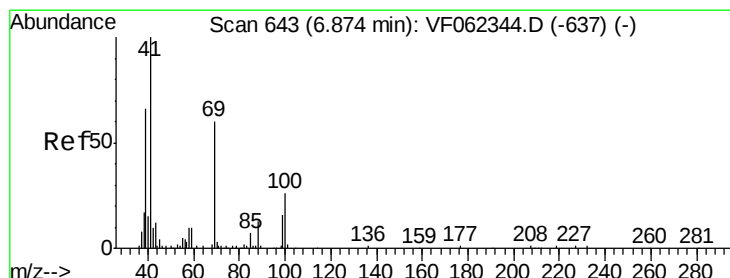
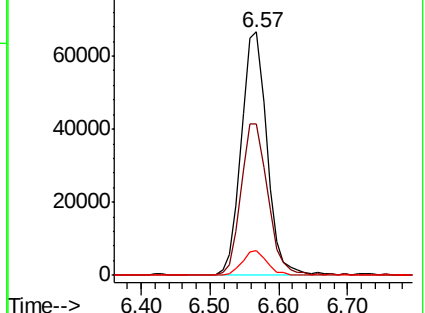
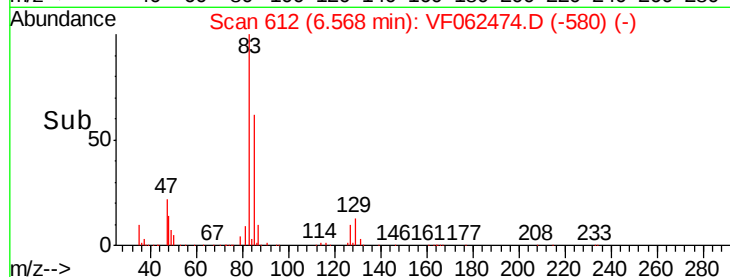
127 10.4 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.733 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

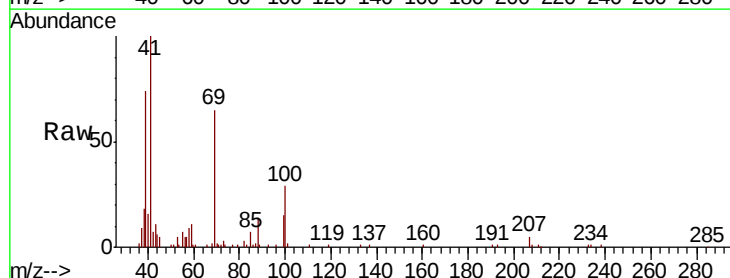
Tgt Ion: 41 Resp: 50764

Ion Ratio Lower Upper

41 100

69 63.1 48.6 72.8

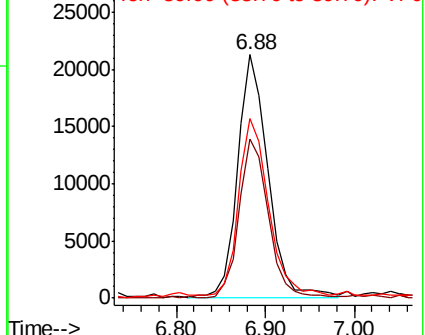
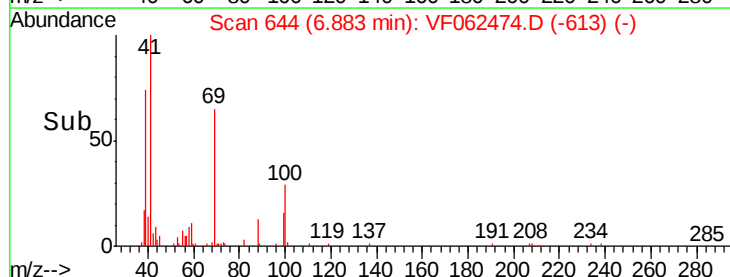
39 71.5 56.1 84.1

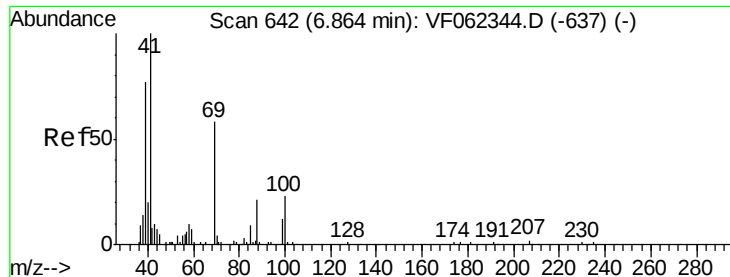


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

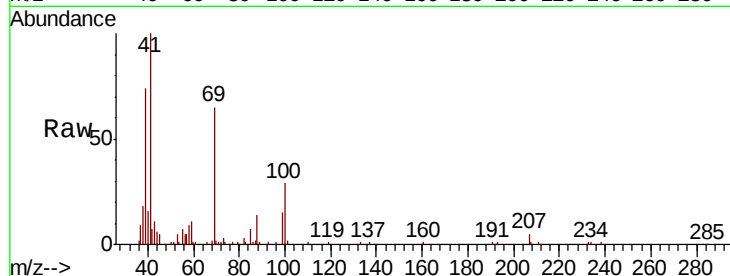




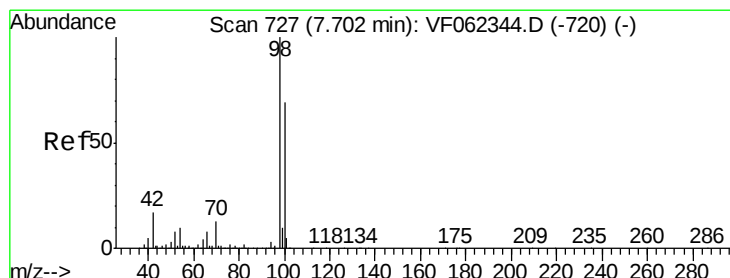
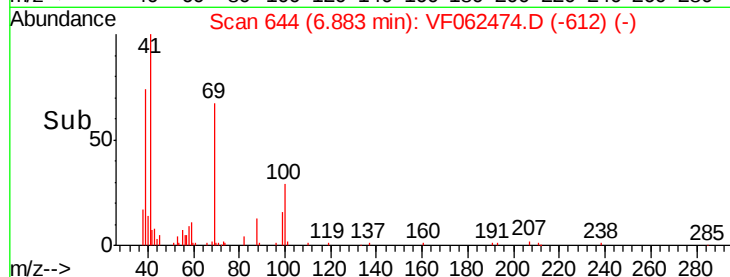
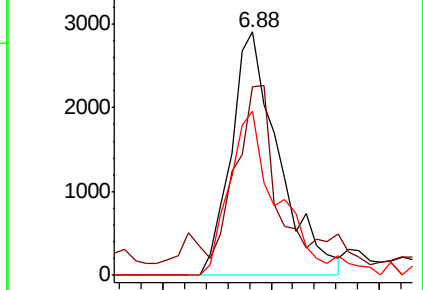
#49
1,4-Dioxane
Concen: 830.483 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 8921
Ion Ratio Lower Upper
88 100
43 54.4 55.6 83.4#
58 70.3 52.8 79.2

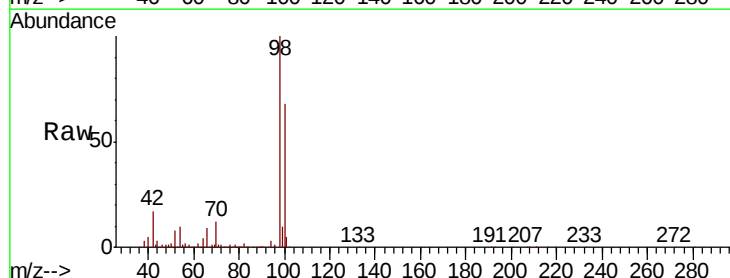


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

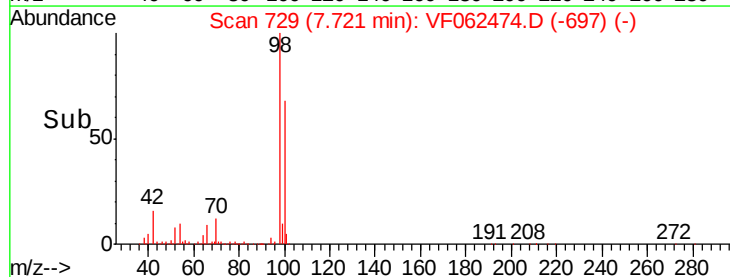
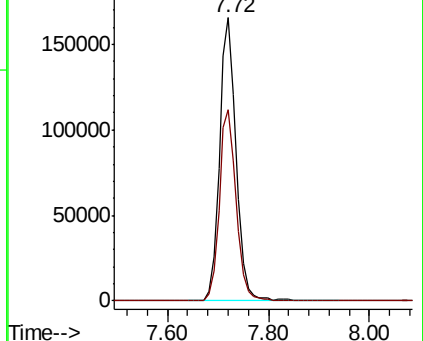


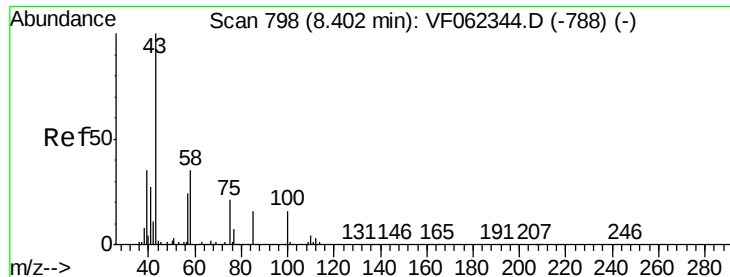
#50
Toluene-d8
Concen: 52.192 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 98 Resp: 379701
Ion Ratio Lower Upper
98 100
100 68.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 259.989 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

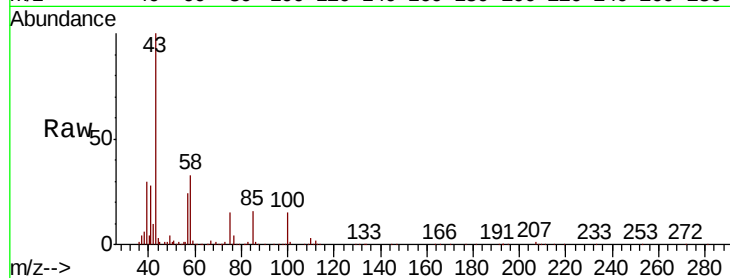
ClientSampled :

Tot Ion: 43 Resp: 290388

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

150000

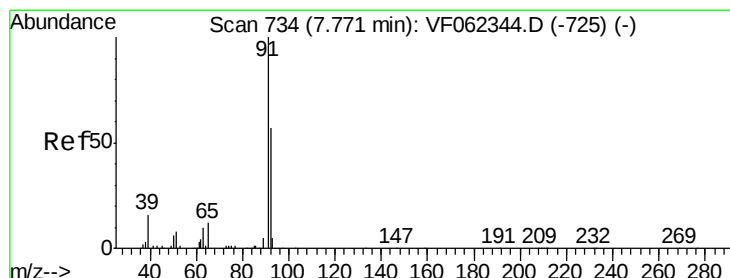
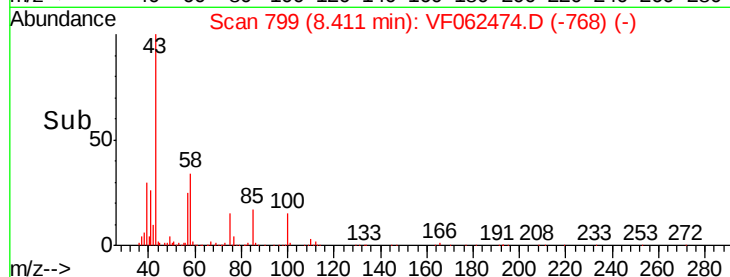
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 50.405 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062474.D

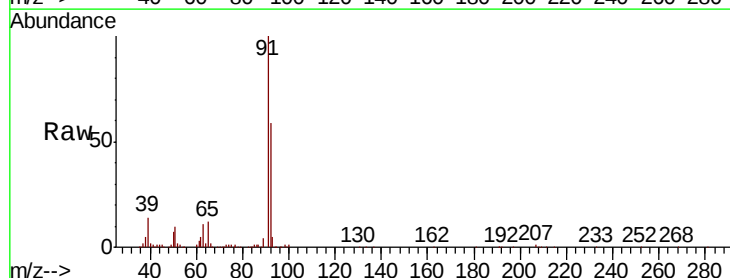
Acq: 11 May 2019 22:43

Tgt Ion: 92 Resp: 221902

Ion Ratio Lower Upper

92 100

91 168.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

150000

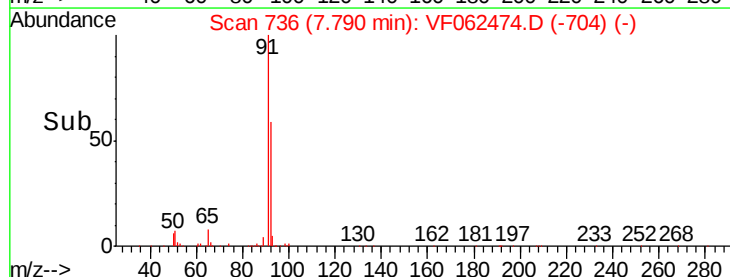
100000

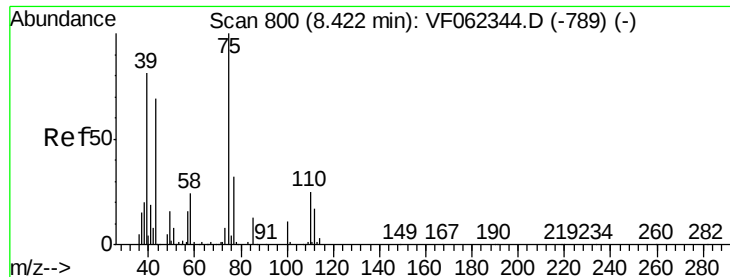
50000

0

Time-->

7.60 7.70 7.80 7.90 8.00





#53

t-1,3-Dichloropropene

Concen: 51.453 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

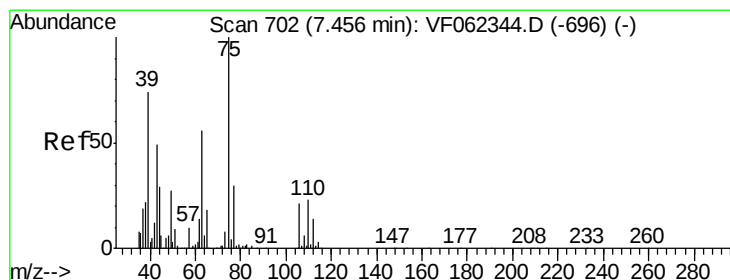
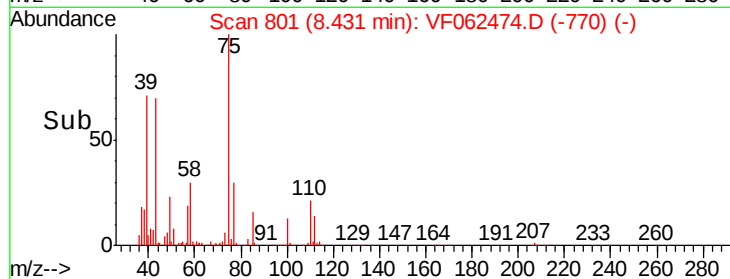
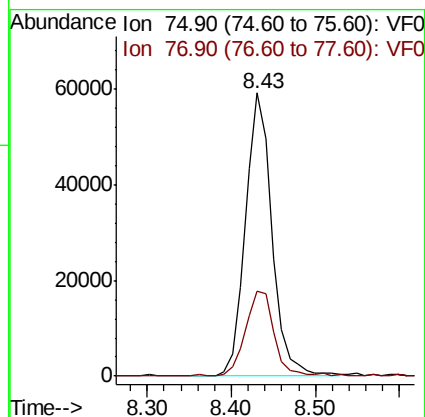
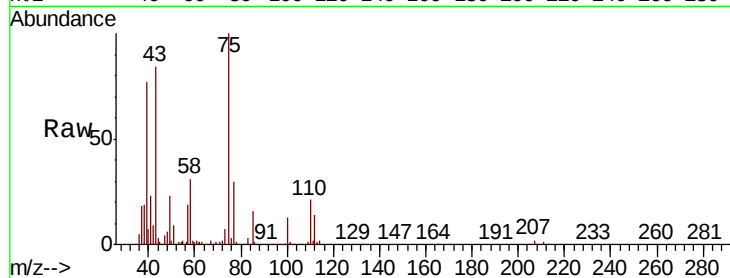
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 130392

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 49.513 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

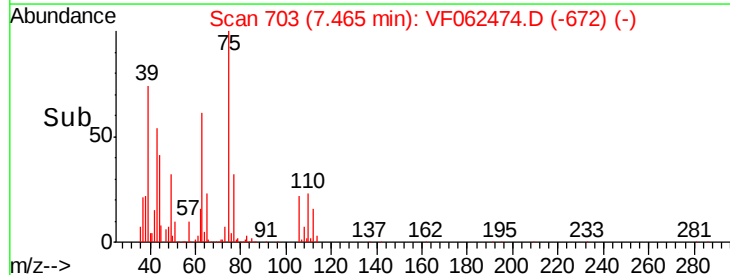
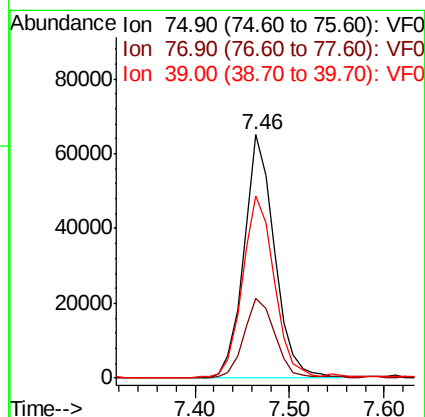
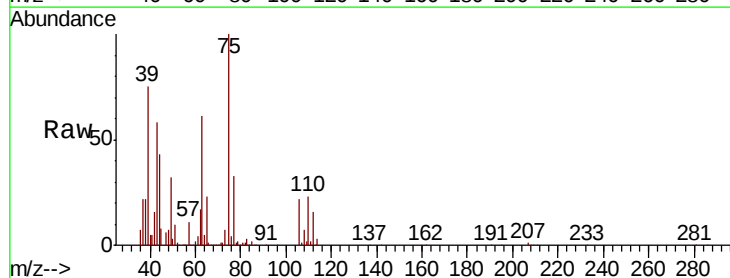
Tgt Ion: 75 Resp: 146029

Ion Ratio Lower Upper

75 100

77 32.5 24.0 36.0

39 74.7 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 54.250 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 75816

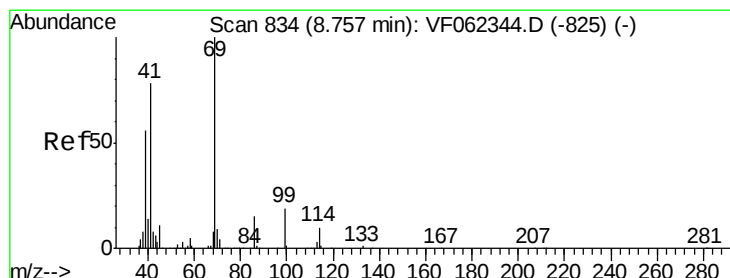
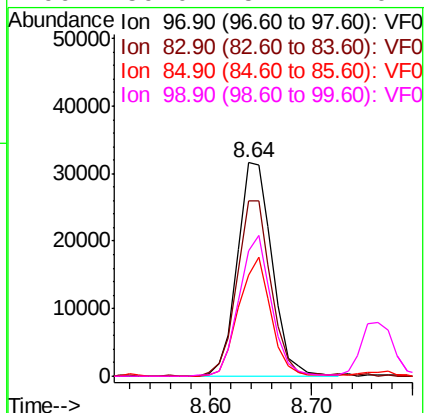
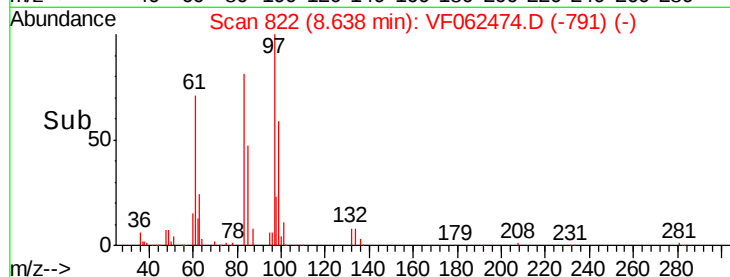
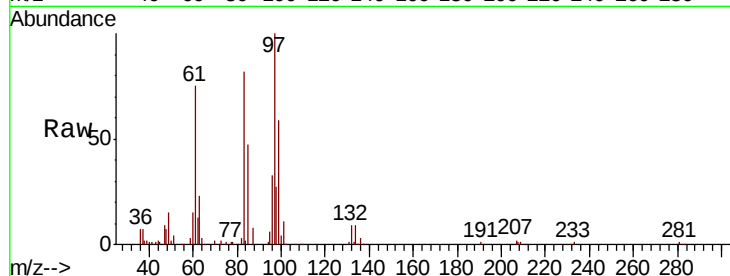
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.5	102.7
85	47.3	45.4	68.2
99	59.0	52.7	79.1

97 100

83 82.0 68.5 102.7

85 47.3 45.4 68.2

99 59.0 52.7 79.1



#56

Ethyl methacrylate

Concen: 49.324 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

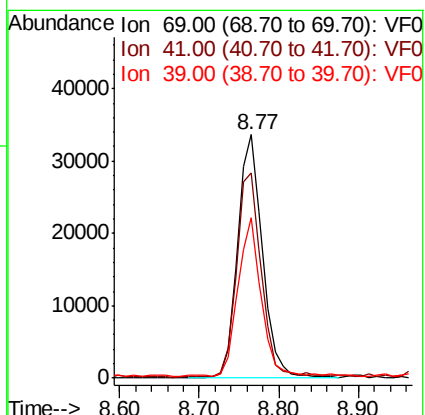
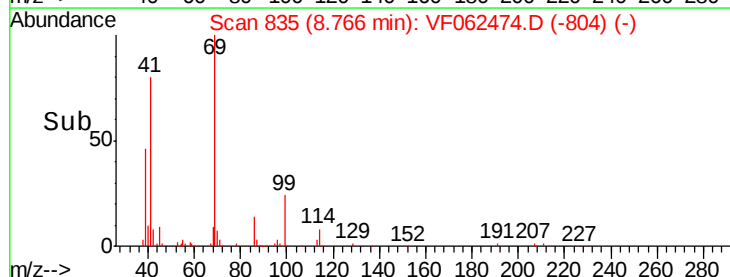
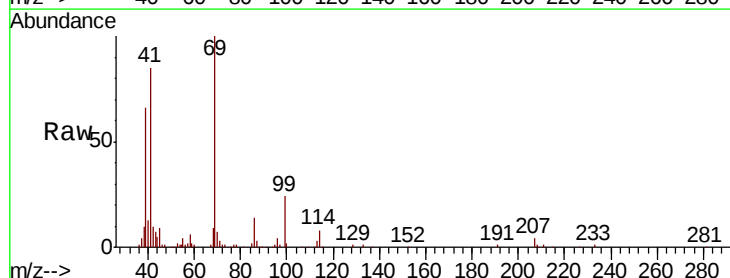
Tgt Ion: 69 Resp: 72765

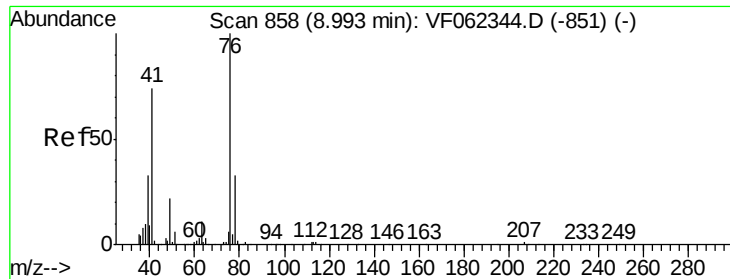
Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.3	99.5
39	60.9	50.1	75.1

69 100

41 83.5 66.3 99.5

39 60.9 50.1 75.1





#57

1,3-Dichloropropane

Concen: 51.598 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

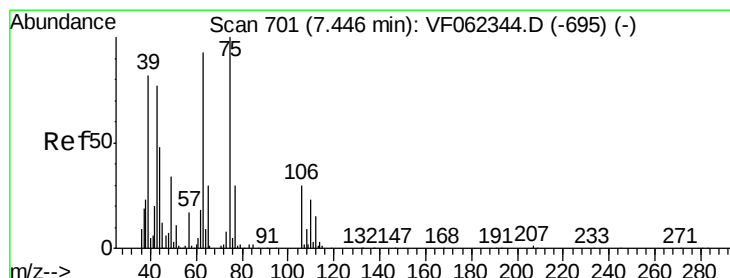
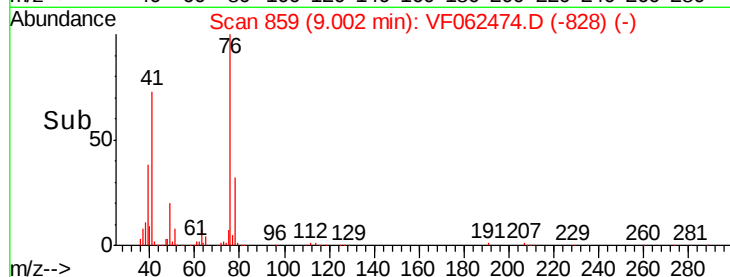
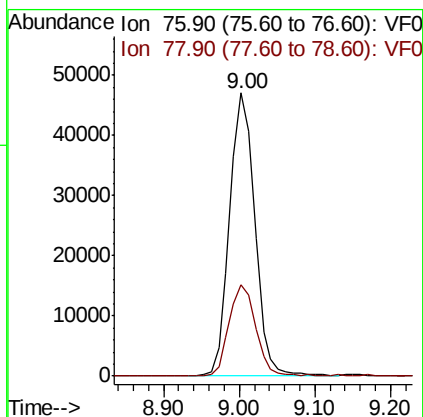
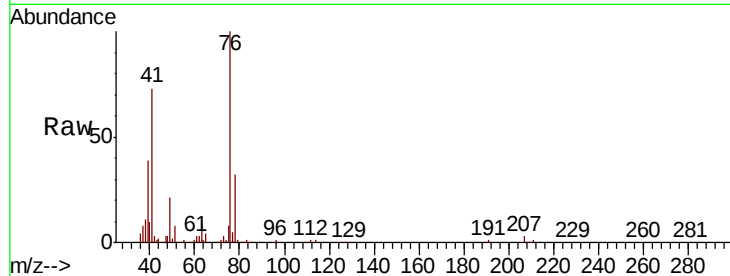
ClientSampleId :

Tot Ion: 76 Resp: 108923

Ion Ratio Lower Upper

76 100

78 34.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 234.316 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062474.D

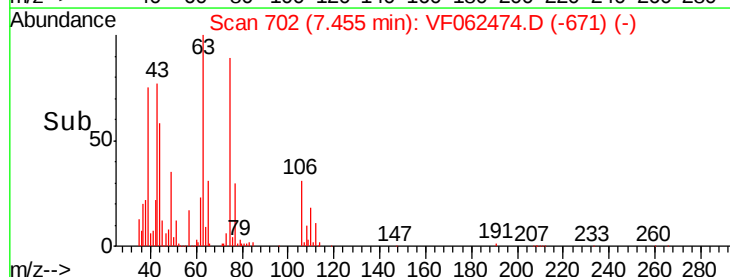
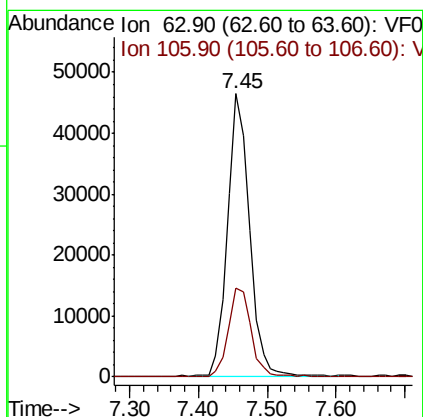
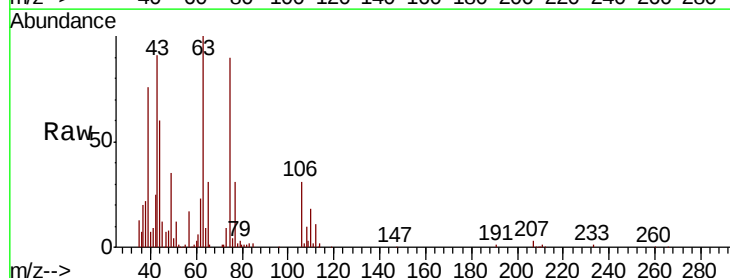
Acq: 11 May 2019 22:43

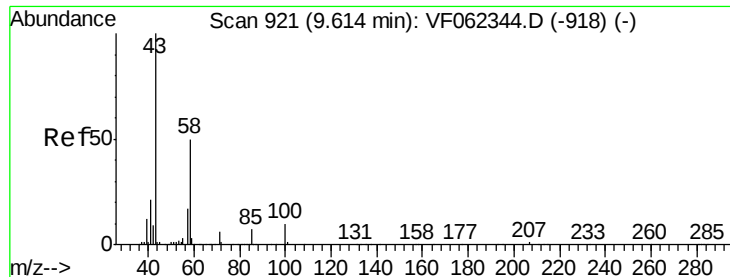
Tgt Ion: 63 Resp: 103924

Ion Ratio Lower Upper

63 100

106 31.9 25.8 38.8

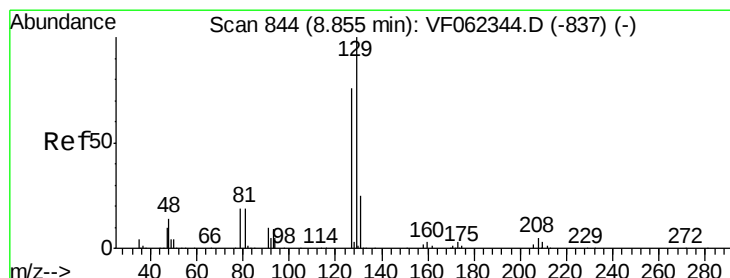
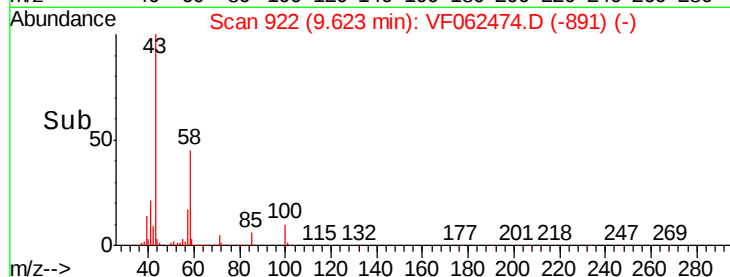
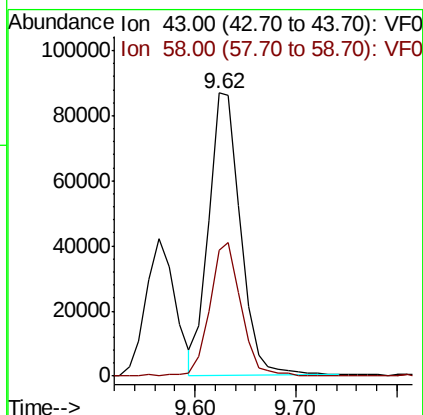
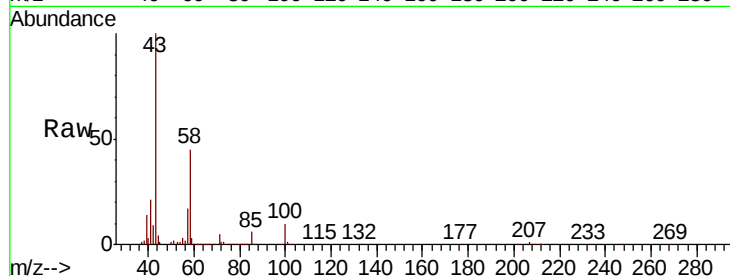




#59
2-Hexanone
Concen: 245.873 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

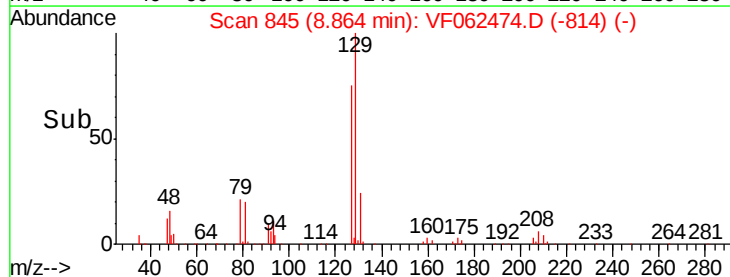
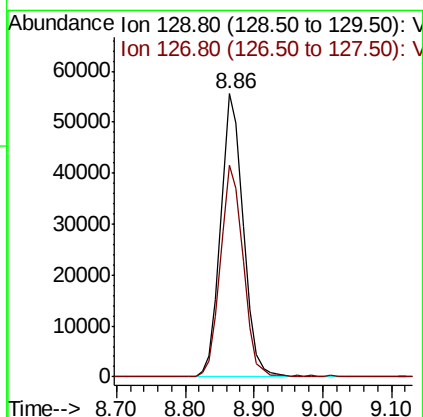
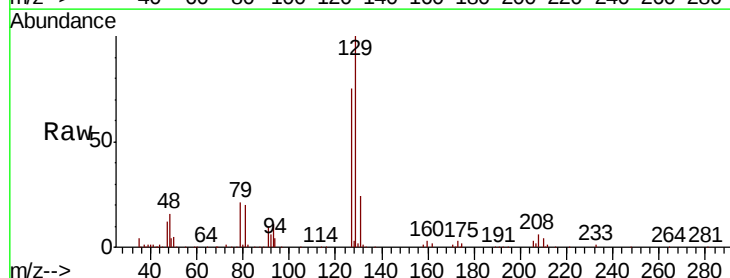
Instrument :
MSVOA_F
ClientSampleId :

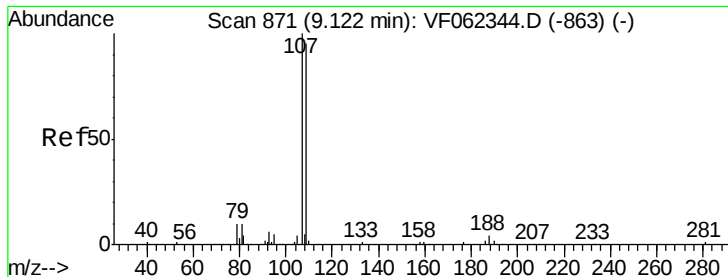
Tot Ion: 43 Resp: 189929
Ion Ratio Lower Upper
43 100
58 46.1 24.3 73.0



#60
Dibromochloromethane
Concen: 55.384 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 129 Resp: 126591
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.804 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

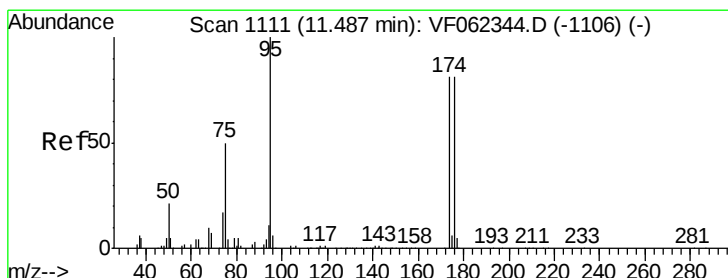
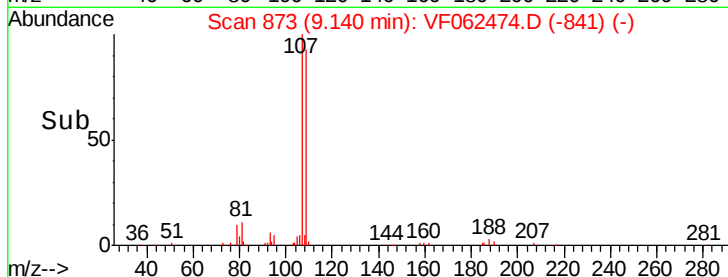
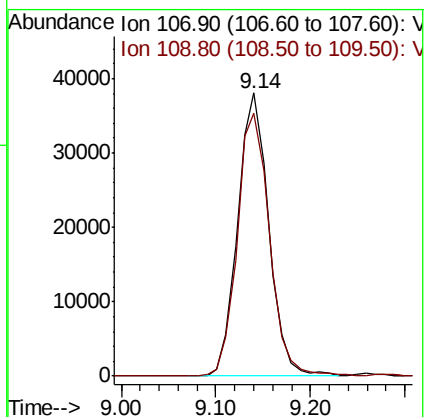
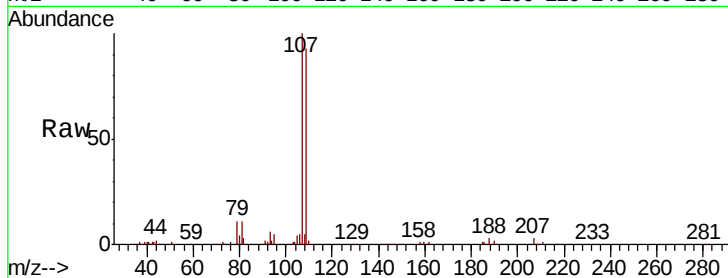
ClientSampleId :

Tot Ion:107 Resp: 86733

Ion Ratio Lower Upper

107 100

109 96.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 50.638 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

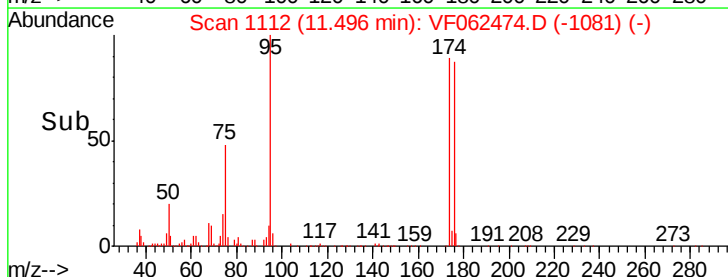
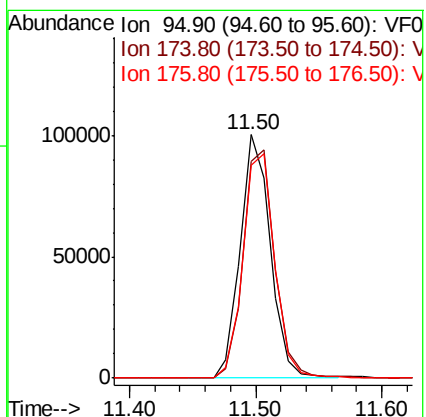
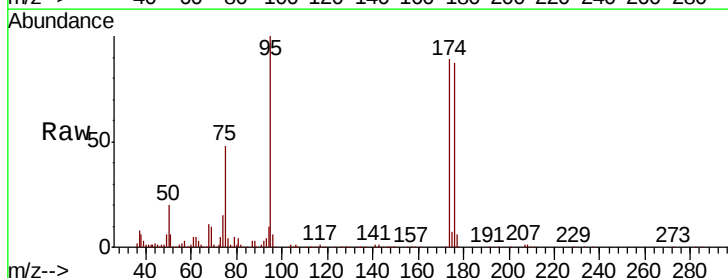
Tgt Ion: 95 Resp: 166209

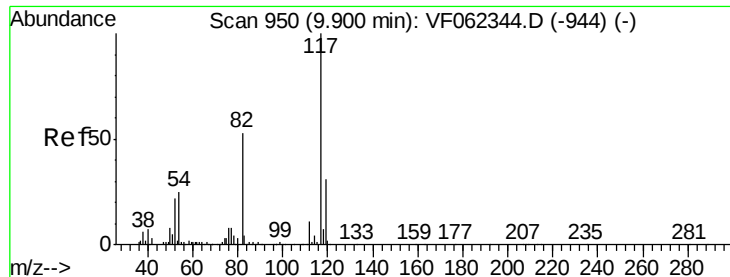
Ion Ratio Lower Upper

95 100

174 99.1 0.0 191.8

176 97.7 0.0 193.2

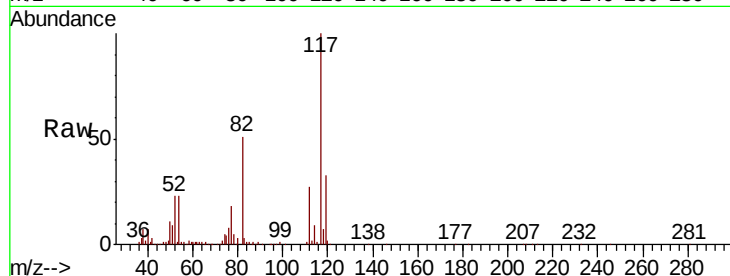




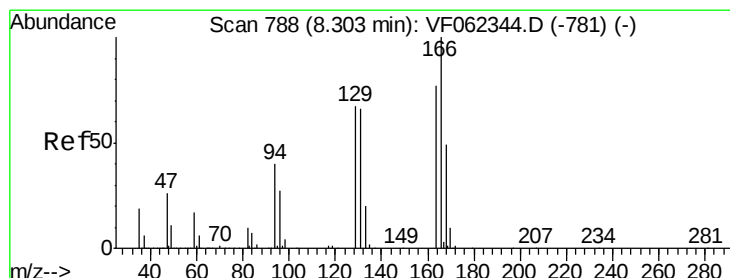
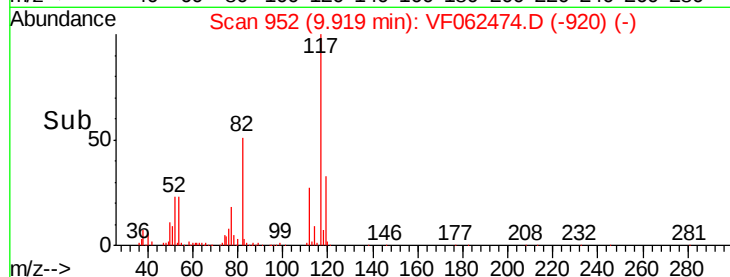
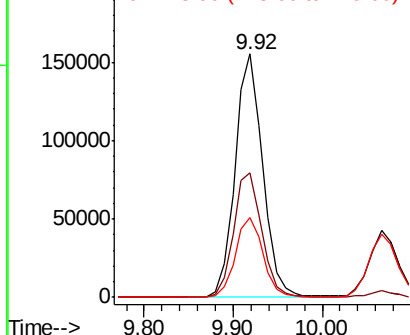
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 336619
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.6 25.0 37.4

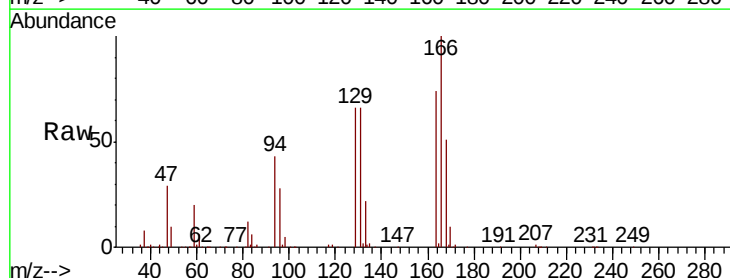


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

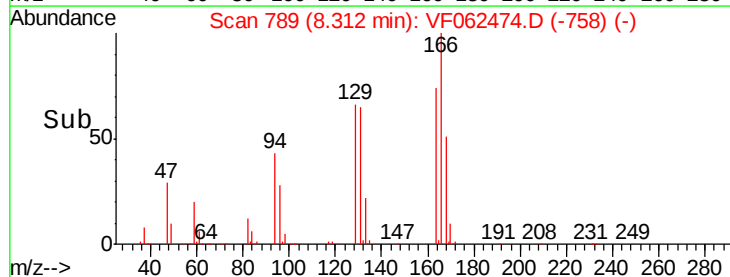
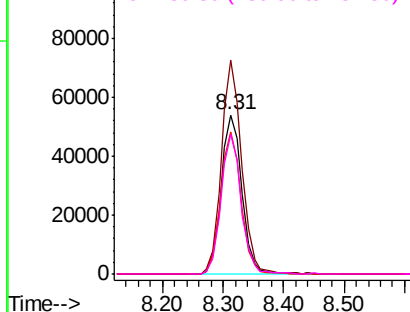


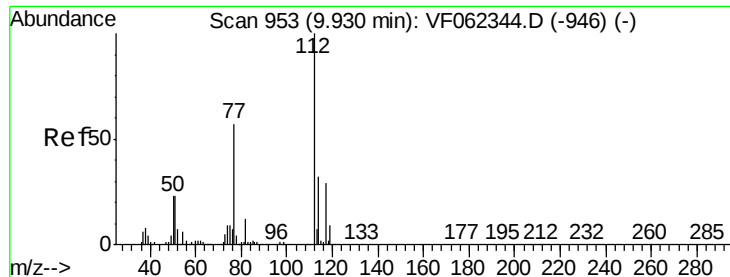
#64
Tetrachloroethene
Concen: 46.888 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:164 Resp: 128134
Ion Ratio Lower Upper
164 100
166 134.3 104.2 156.4
129 89.0 69.6 104.4
131 88.1 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

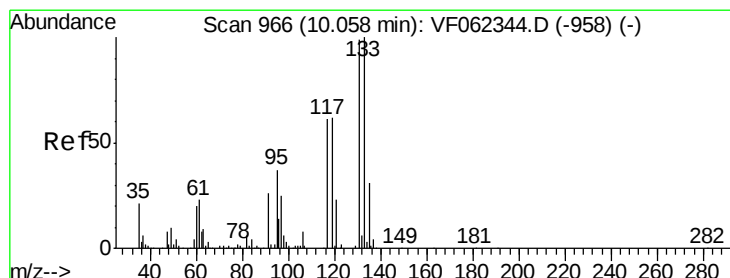
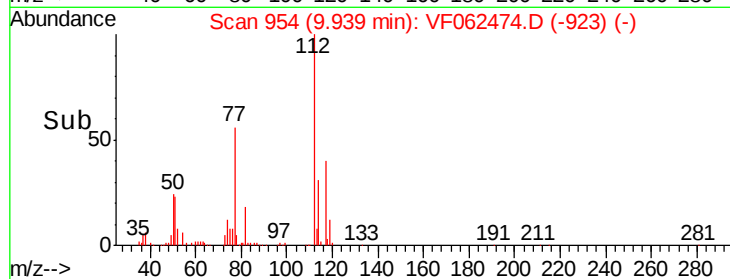
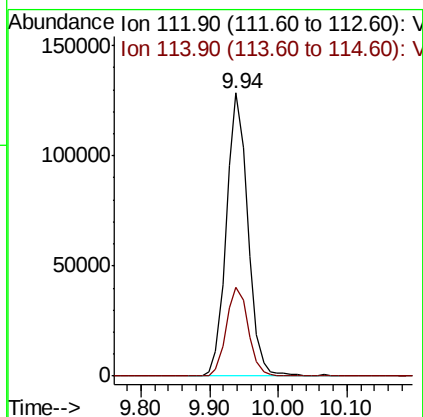
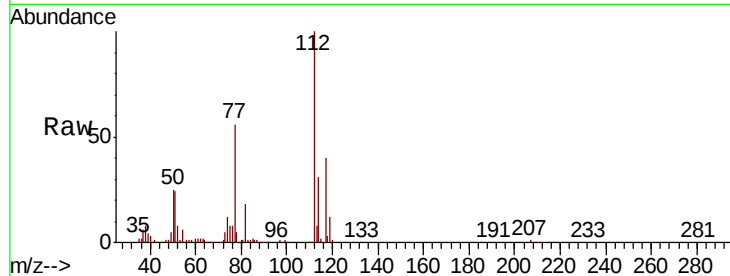




#65
Chlorobenzene
Concen: 49.940 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

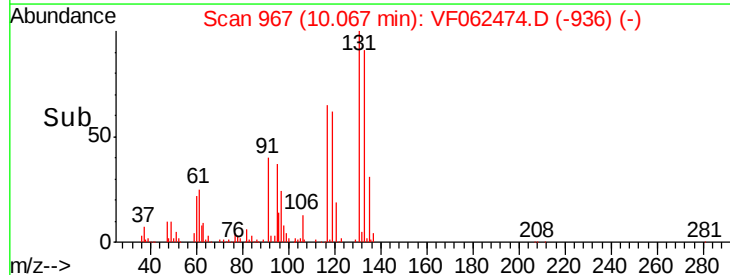
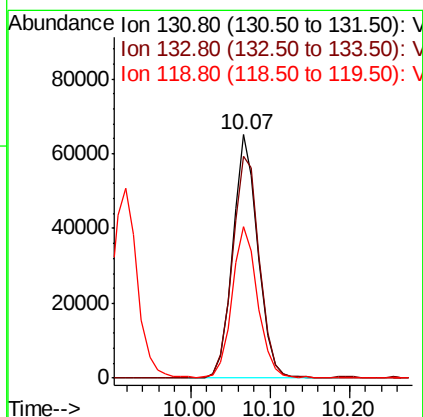
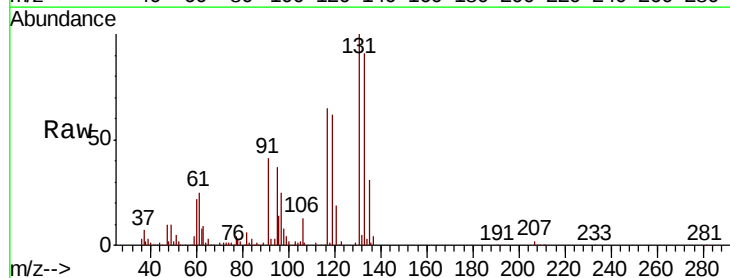
Instrument :
MSVOA_F
ClientSampled :

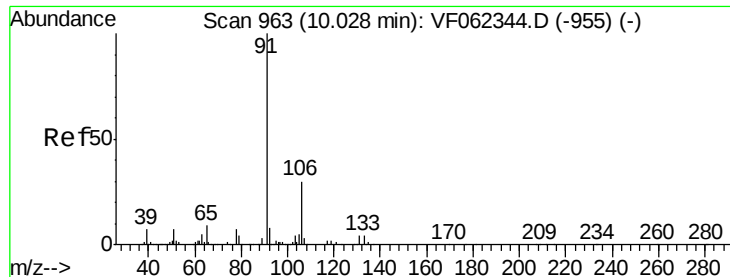
Tot Ion:112 Resp: 278145
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.774 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:131 Resp: 142657
Ion Ratio Lower Upper
131 100
133 98.4 50.2 150.7
119 63.2 31.6 95.0





#67

Ethyl Benzene

Concen: 49.350 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

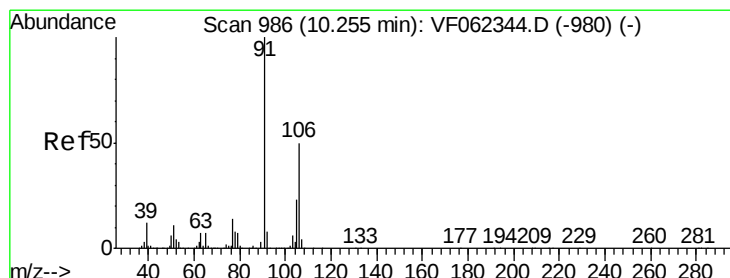
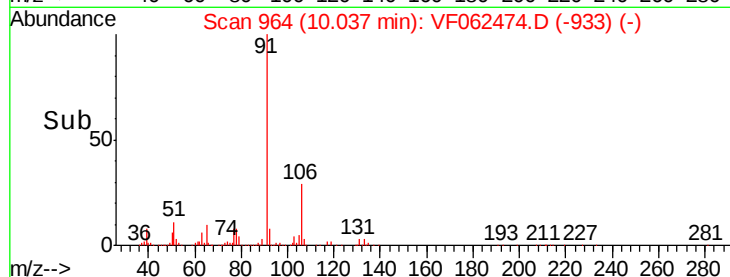
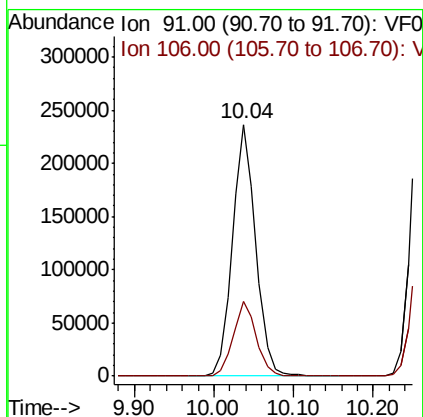
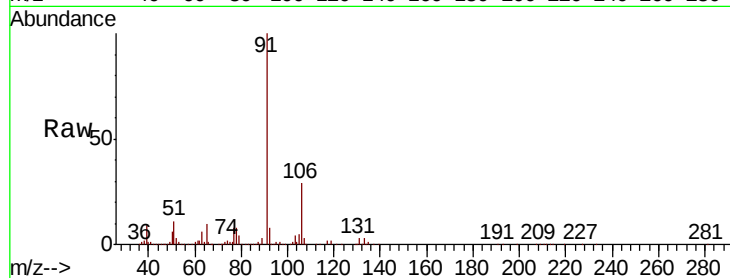
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 481304

Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1



#68

m/p-Xylenes

Concen: 99.014 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF062474.D

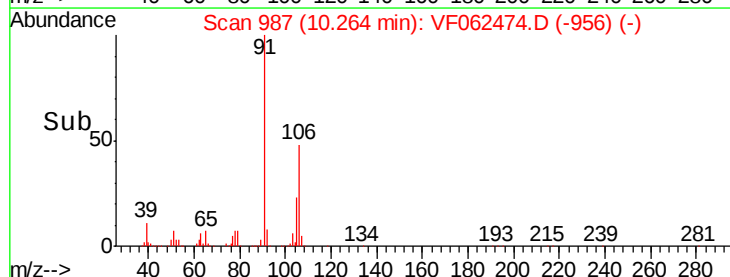
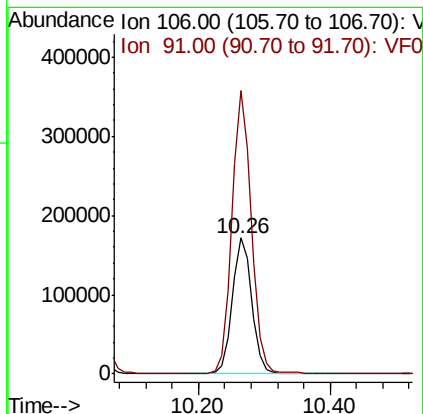
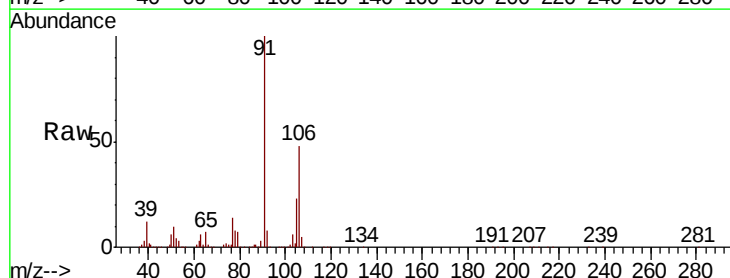
Acq: 11 May 2019 22:43

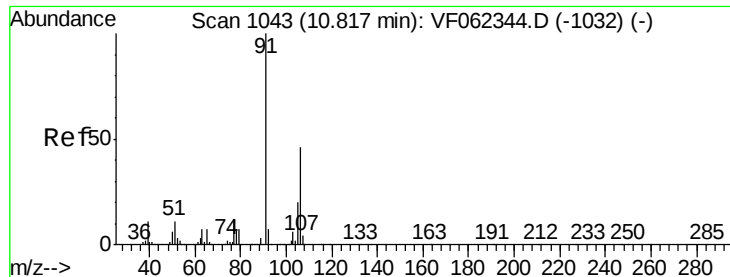
Tgt Ion: 106 Resp: 356293

Ion Ratio Lower Upper

106 100

91 207.4 167.4 251.2

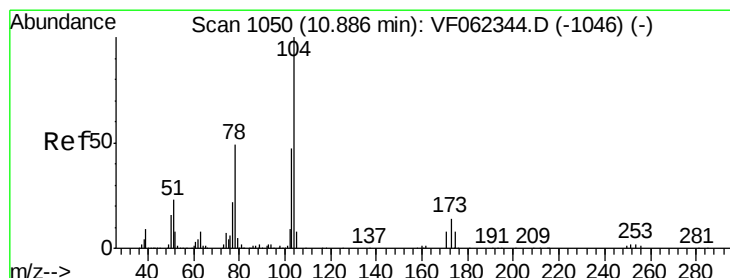
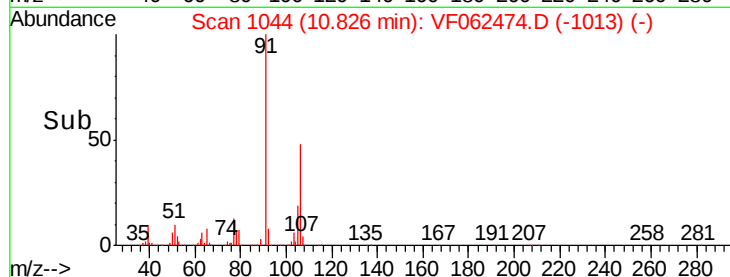
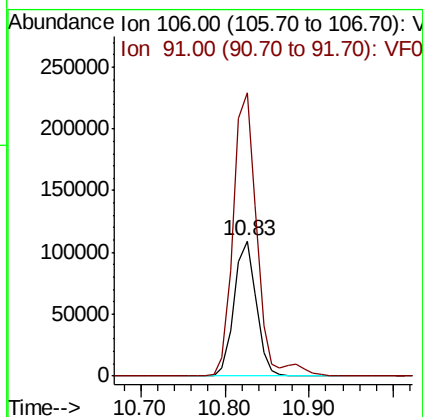
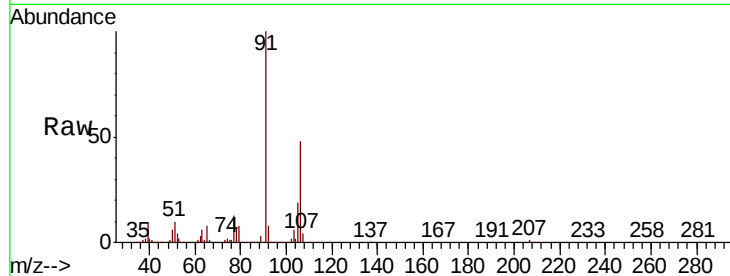




#69
o-Xylene
Concen: 51.773 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

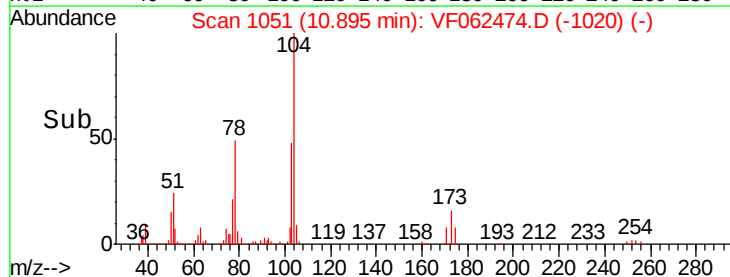
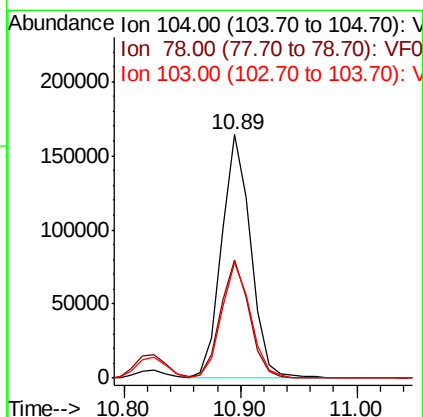
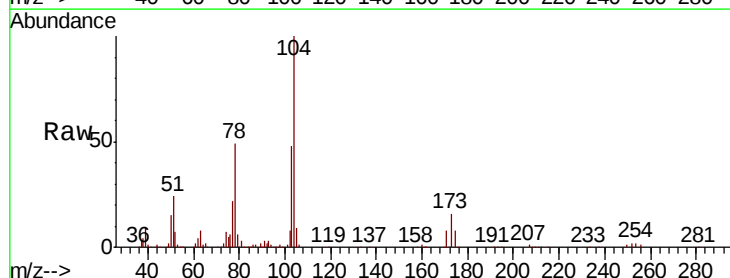
Instrument :
MSVOA_F
ClientSampleId :

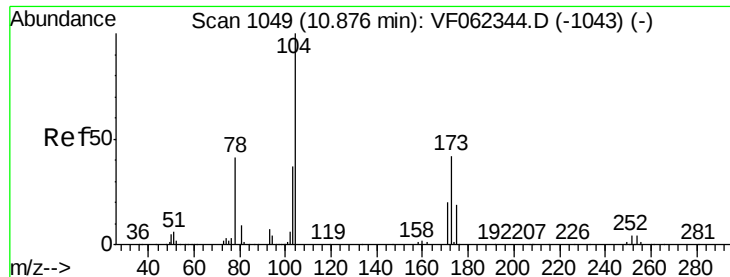
Tot Ion:106 Resp: 201311
Ion Ratio Lower Upper
106 100
91 215.9 111.3 333.8



#70
Styrene
Concen: 48.299 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:104 Resp: 281464
Ion Ratio Lower Upper
104 100
78 48.1 39.5 59.3
103 48.2 38.4 57.6





#71

Bromoform

Concen: 49.647 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

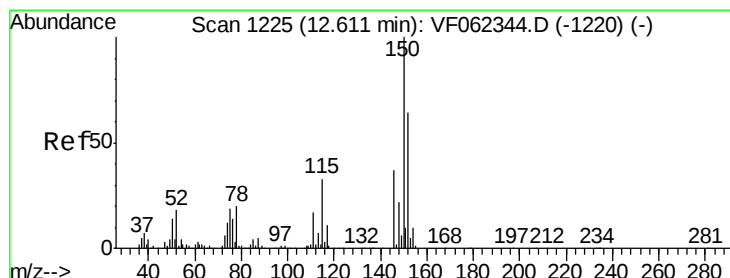
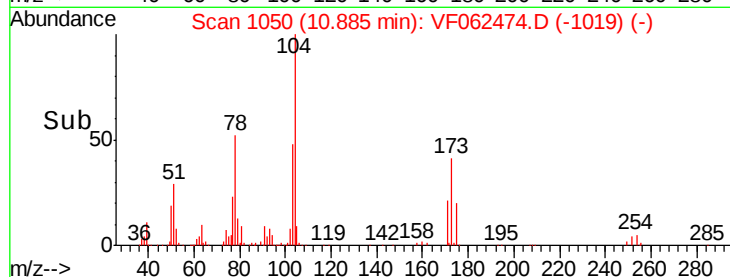
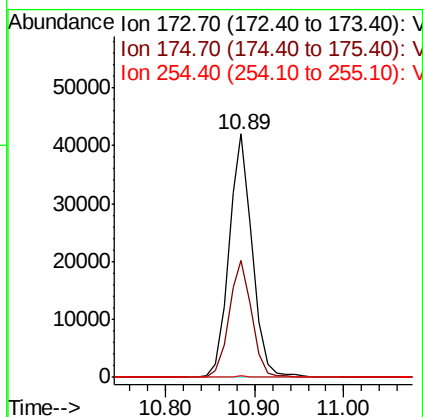
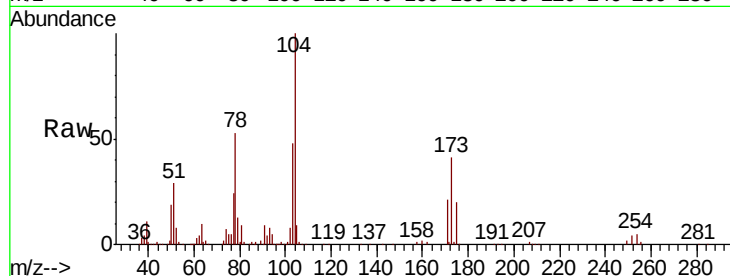
Tot Ion:173 Resp: 76422

Ion Ratio Lower Upper

173 100

175 47.2 23.8 71.2

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

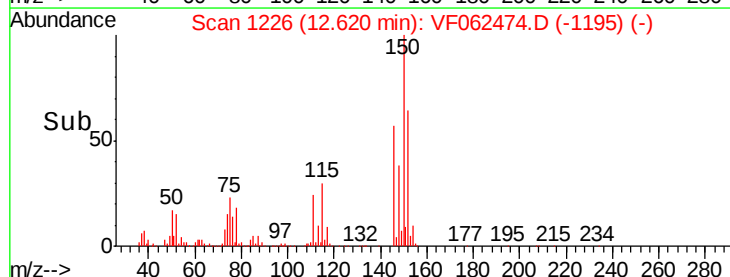
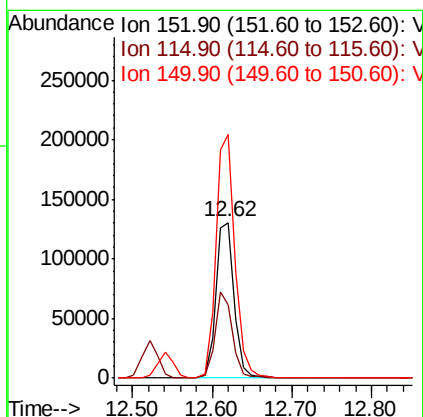
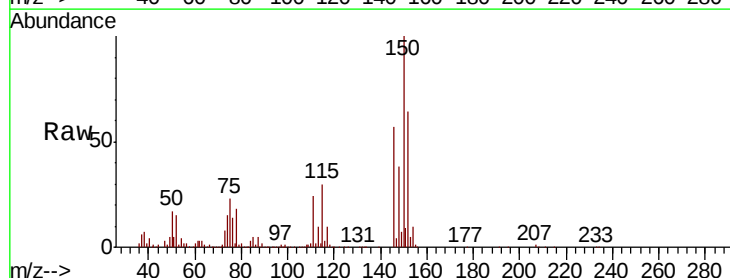
Tgt Ion:152 Resp: 211242

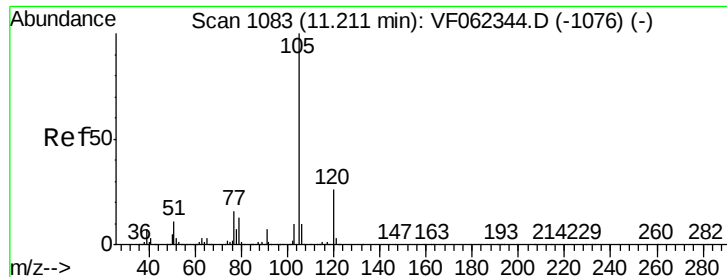
Ion Ratio Lower Upper

152 100

115 52.2 26.4 79.2

150 162.6 0.0 335.0





#73

Isopropylbenzene

Concen: 48.358 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

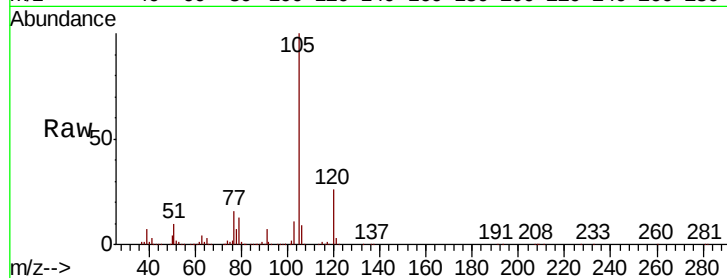
ClientSampleId :

Tot Ion:105 Resp: 605603

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

300000

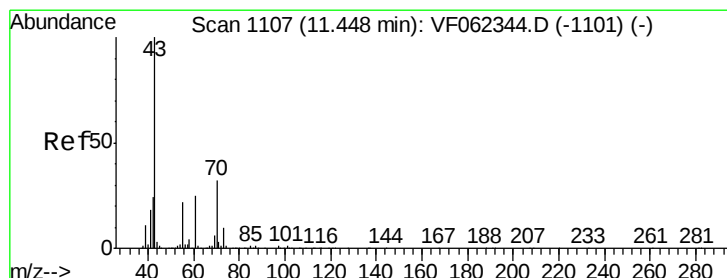
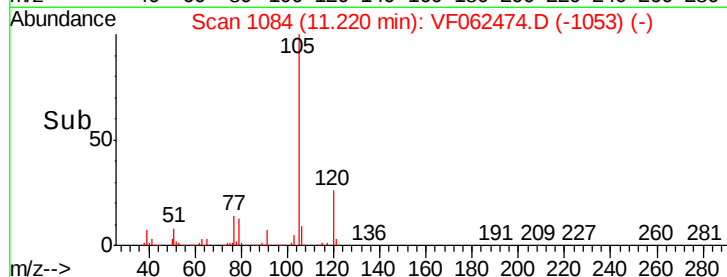
200000

100000

0

Time-->

11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 47.025 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 43 Resp: 126430

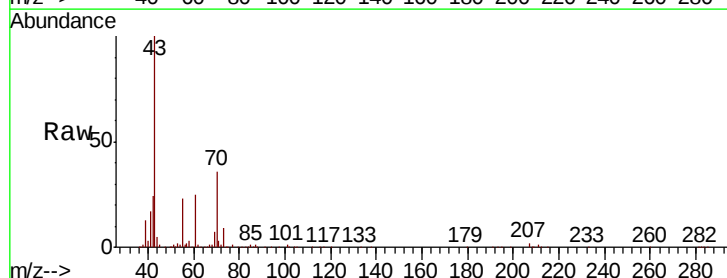
Ion Ratio Lower Upper

43 100

70 34.5 26.5 39.7

55 22.5 17.8 26.6

61 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

100000

80000

60000

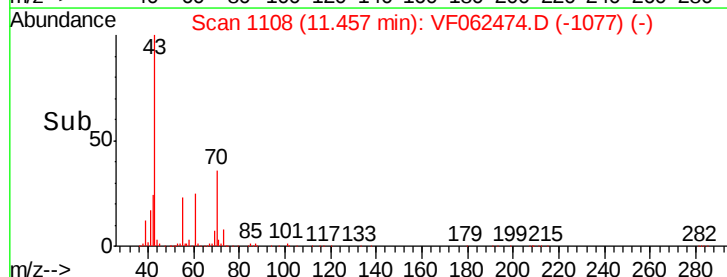
40000

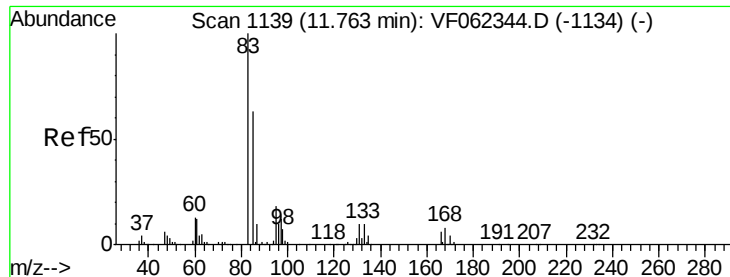
20000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 48.709 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

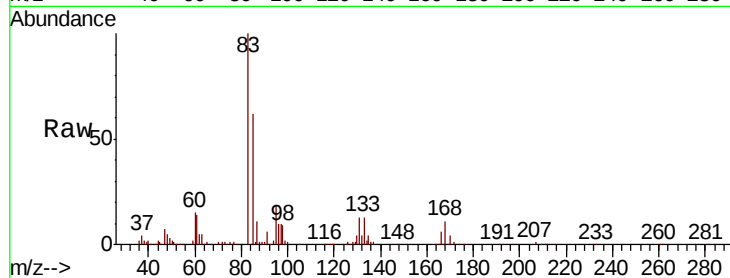
Tot Ion: 83 Resp: 95510

Ion Ratio Lower Upper

83 100

131 13.7 5.8 17.4

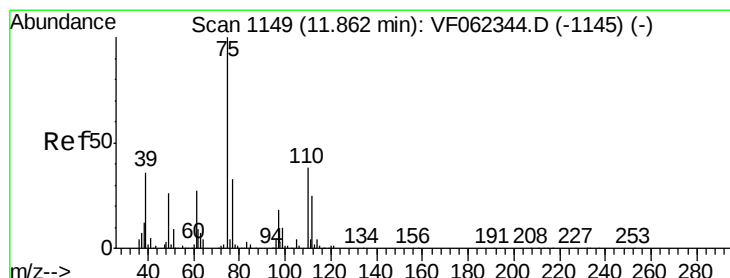
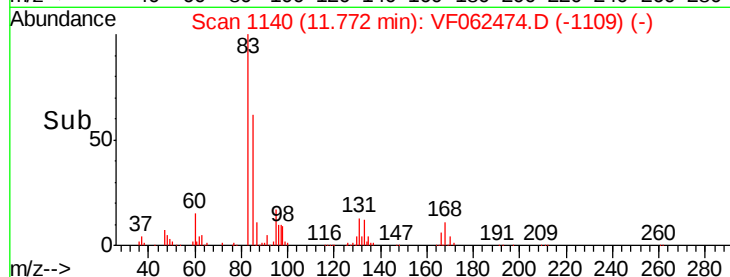
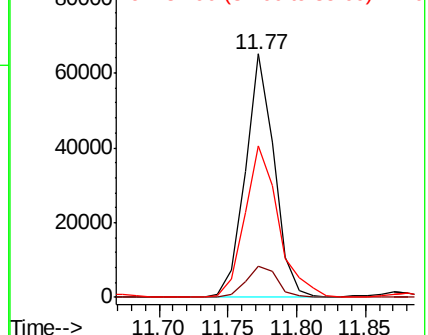
85 73.2 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 49.092 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062474.D

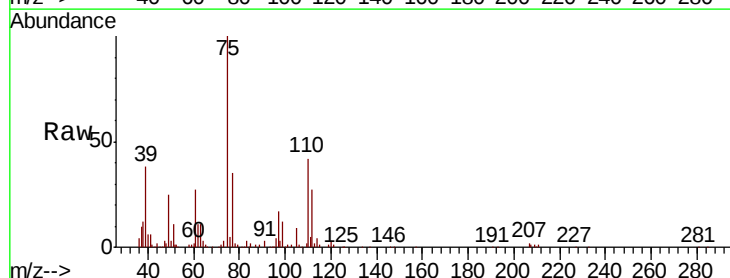
Acq: 11 May 2019 22:43

Tgt Ion: 75 Resp: 73441

Ion Ratio Lower Upper

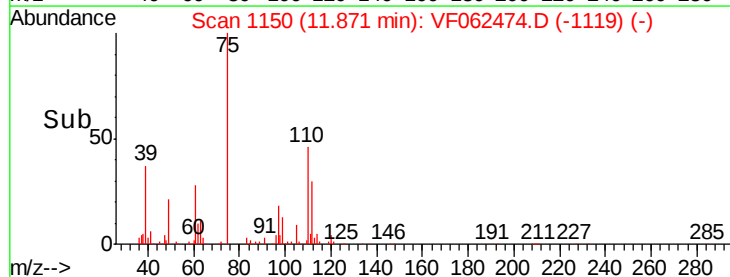
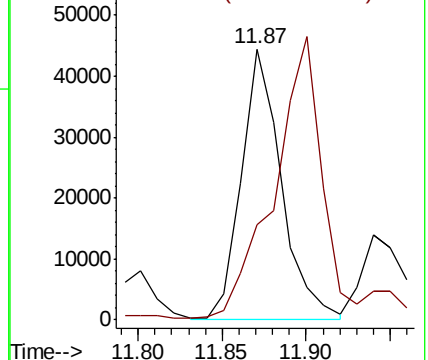
75 100

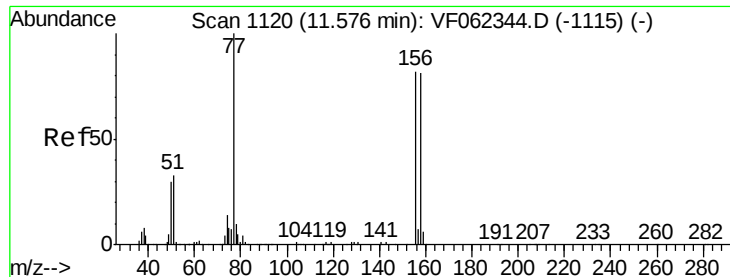
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

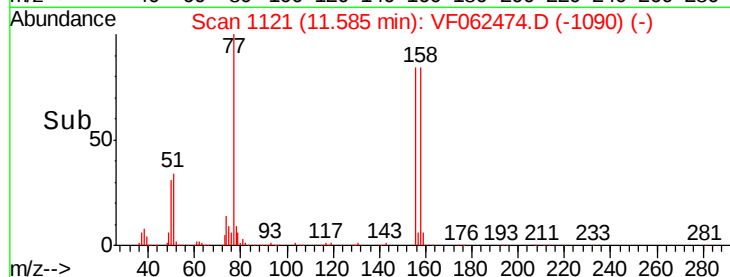
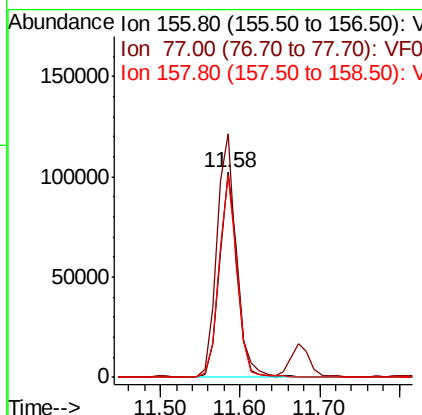
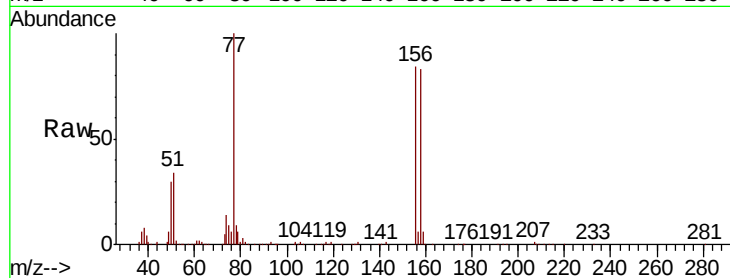




#77
Bromobenzene
Concen: 49.660 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

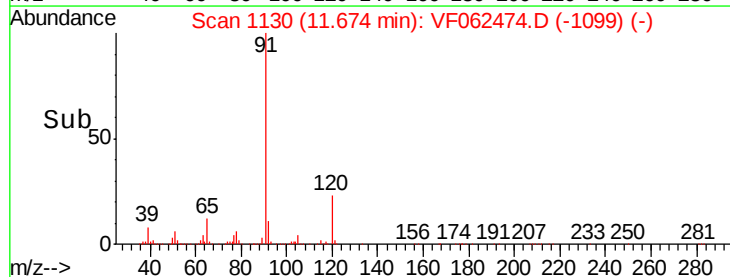
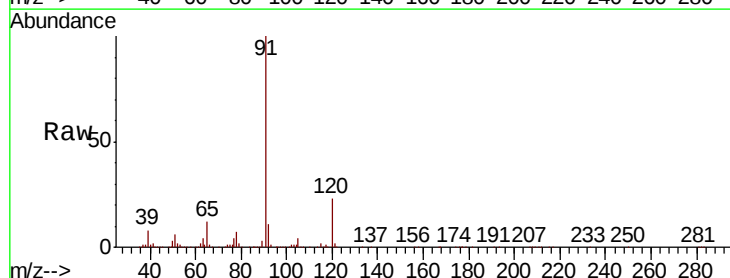
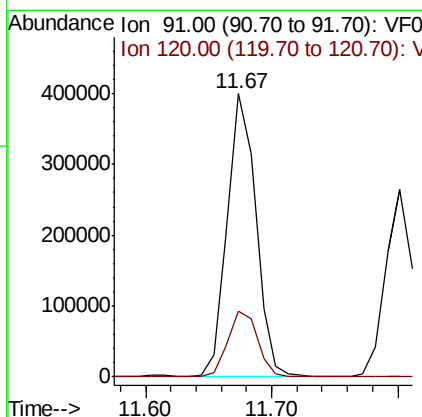
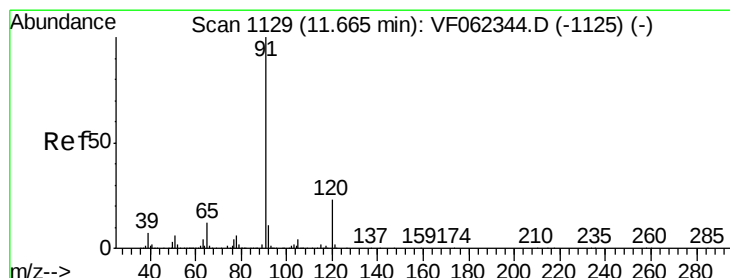
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:156 Resp: 163216
Ion Ratio Lower Upper
156 100
77 125.8 64.8 194.3
158 98.9 49.1 147.3



#78
n-propylbenzene
Concen: 47.181 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 91 Resp: 629056
Ion Ratio Lower Upper
91 100
120 24.2 11.9 35.5





#79

2-Chlorotoluene

Concen: 48.671 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

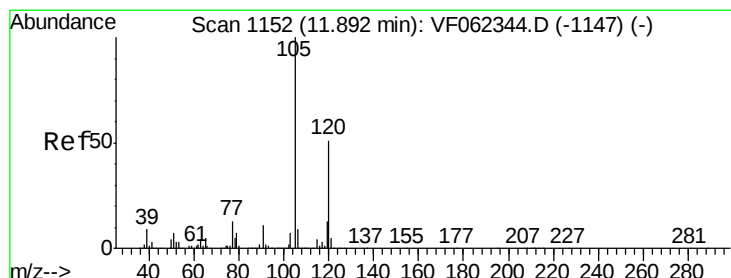
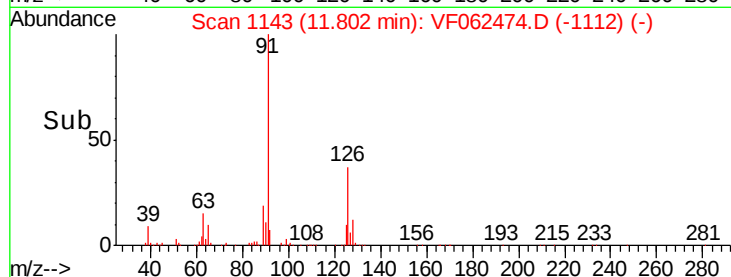
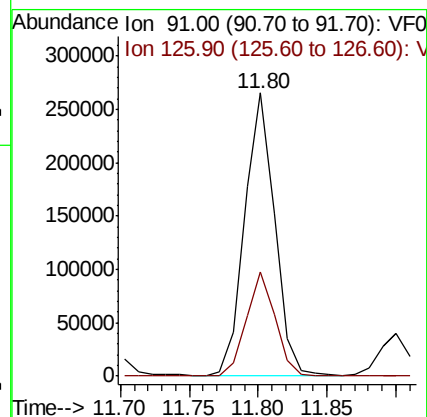
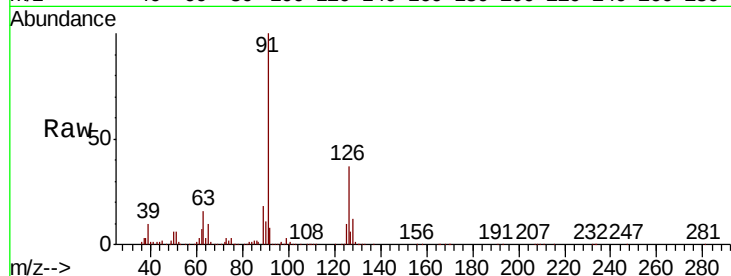
ClientSampleId :

Tot Ion: 91 Resp: 403514

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 47.924 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062474.D

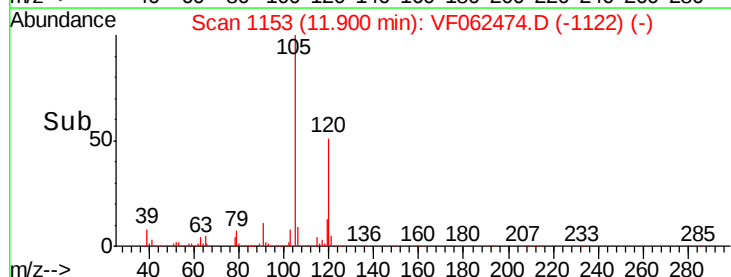
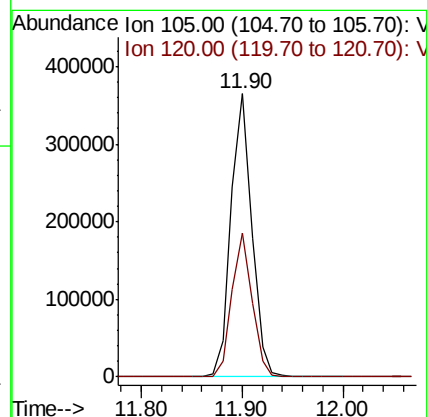
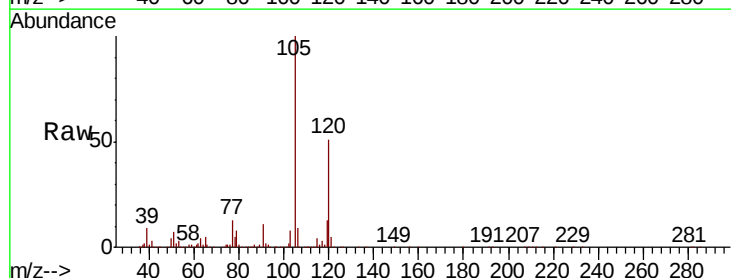
Acq: 11 May 2019 22:43

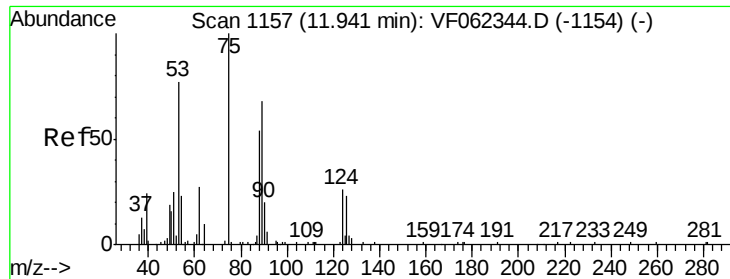
Tgt Ion: 105 Resp: 526043

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.772 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

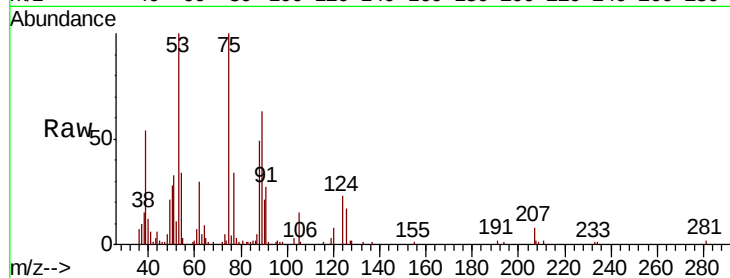
Tot Ion: 75 Resp: 34736

Ion Ratio Lower Upper

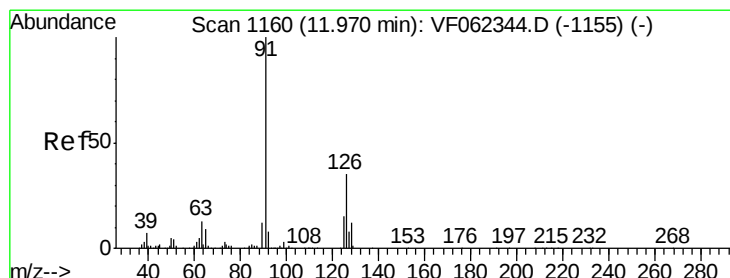
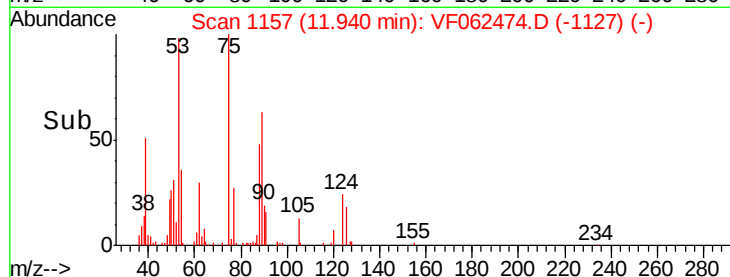
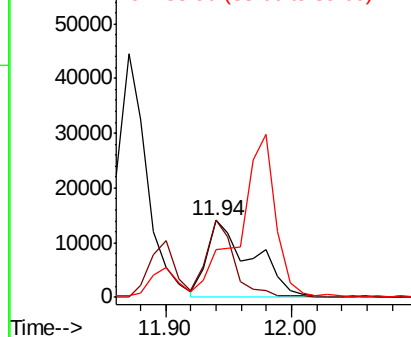
75 100

53 62.7 71.9 107.9#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 48.362 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062474.D

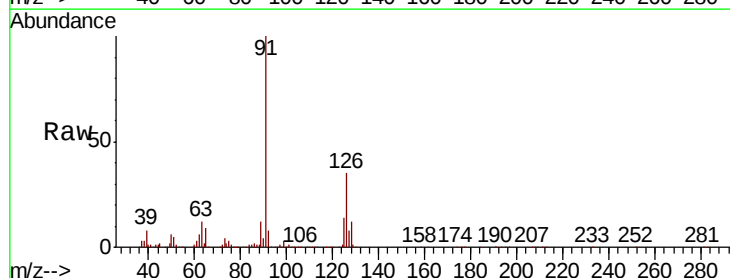
Acq: 11 May 2019 22:43

Tgt Ion: 91 Resp: 396010

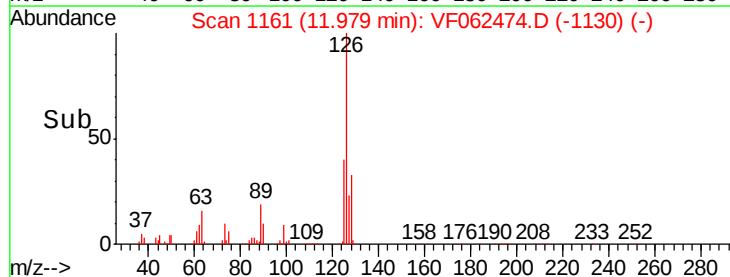
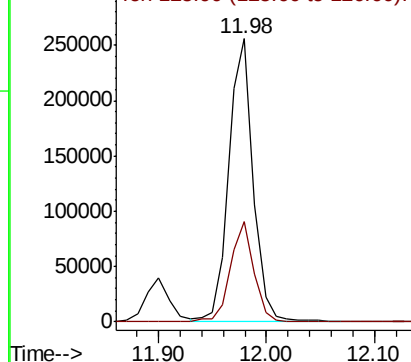
Ion Ratio Lower Upper

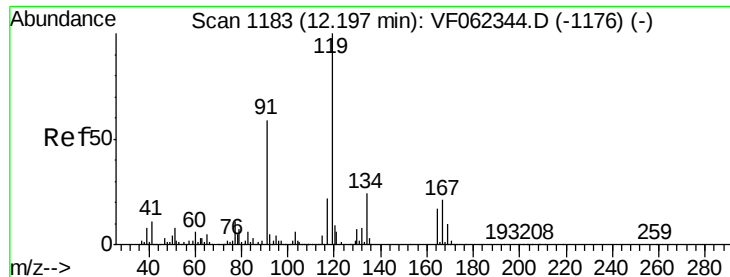
91 100

126 35.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

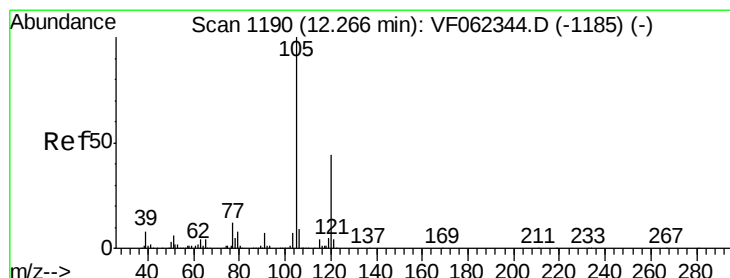
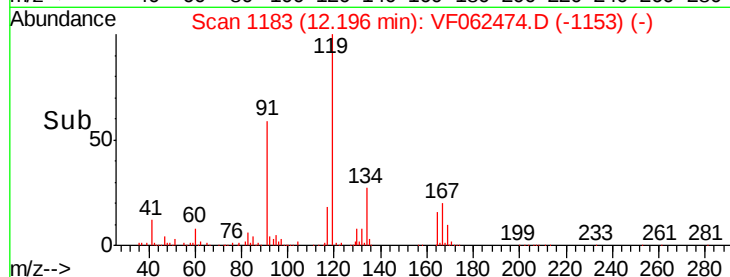
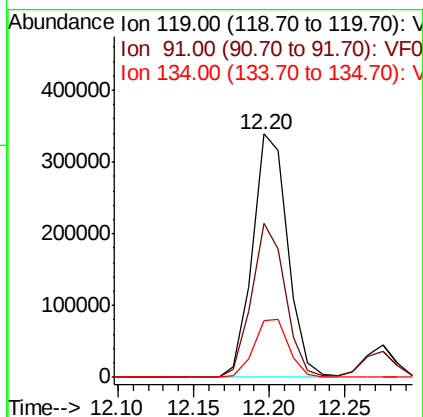
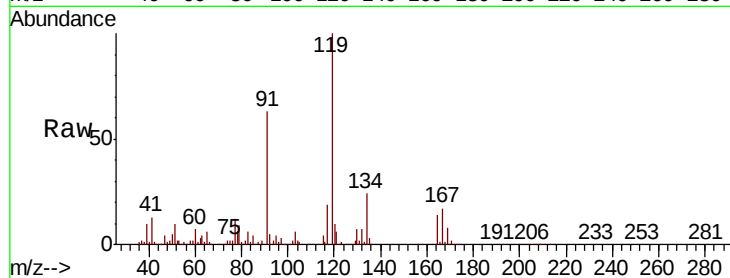




#83
 tert-Butylbenzene
 Concen: 47.657 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

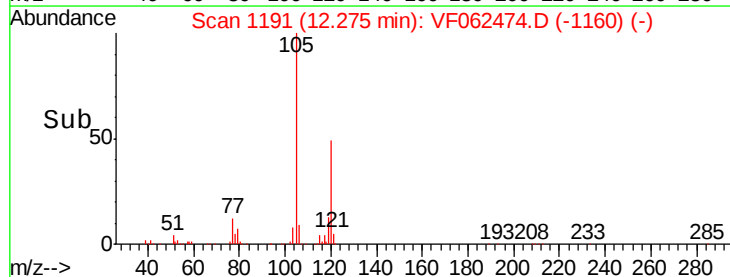
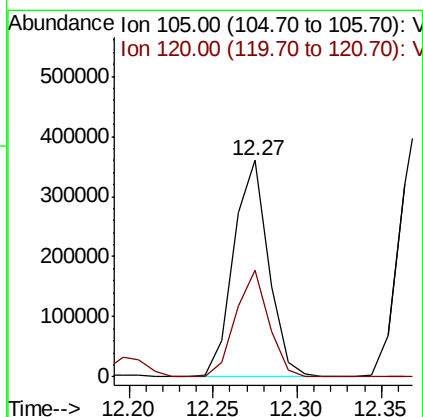
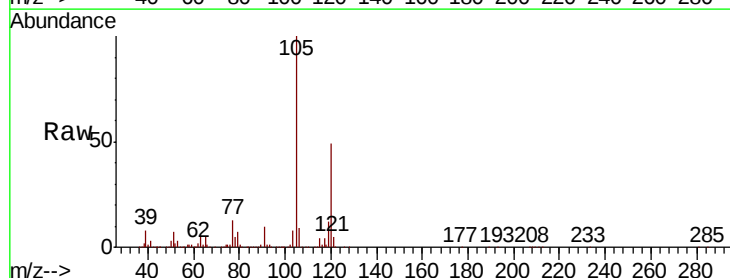
Instrument :
 MSVOA_F
 ClientSampleId :

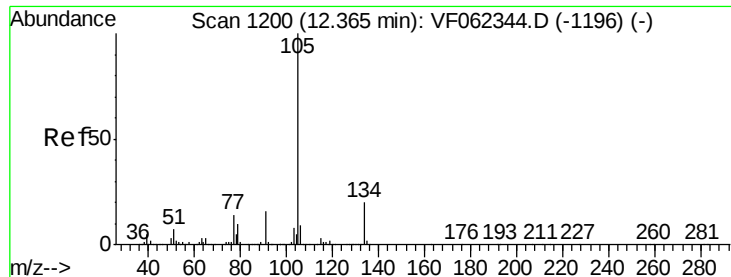
Tot Ion:119 Resp: 549753
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.4 91.3
 134 23.9 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.182 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion:105 Resp: 517555
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 48.922 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

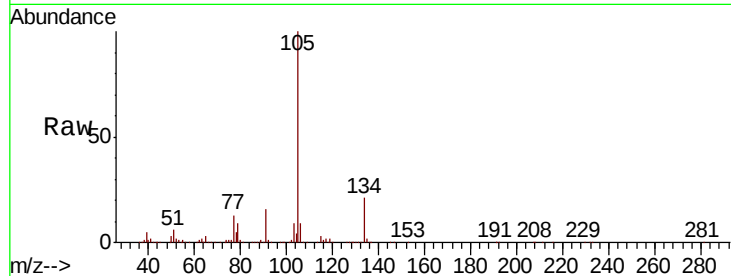
ClientSampleId :

Tot Ion:105 Resp: 686917

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

500000

400000

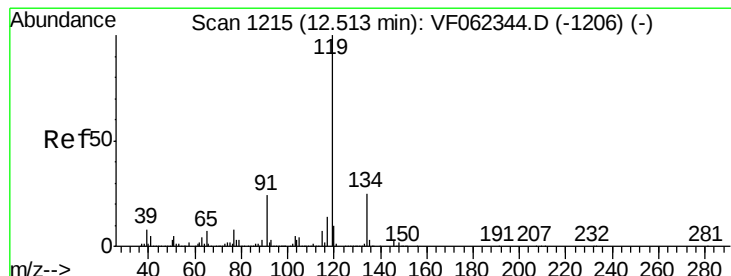
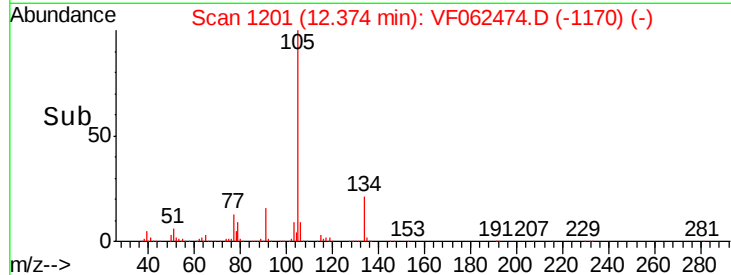
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.679 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

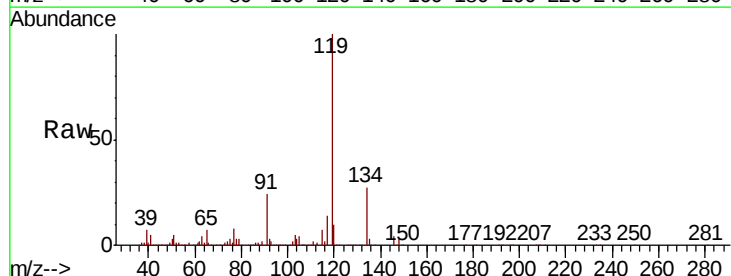
Tgt Ion:119 Resp: 621998

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.3 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

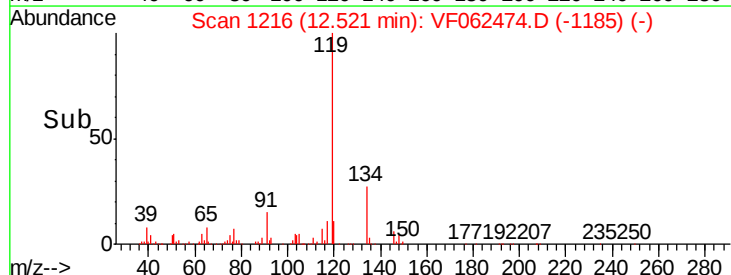
300000

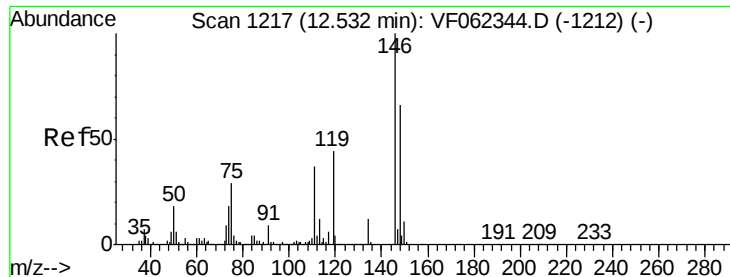
200000

100000

0

Time-->

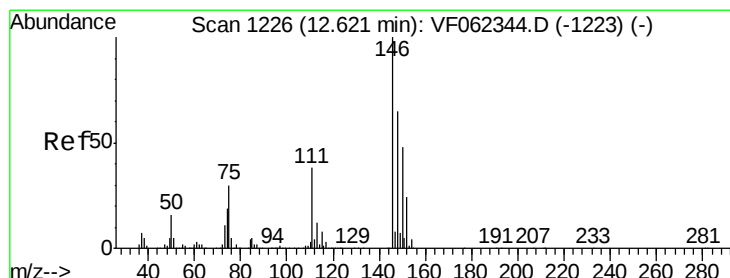
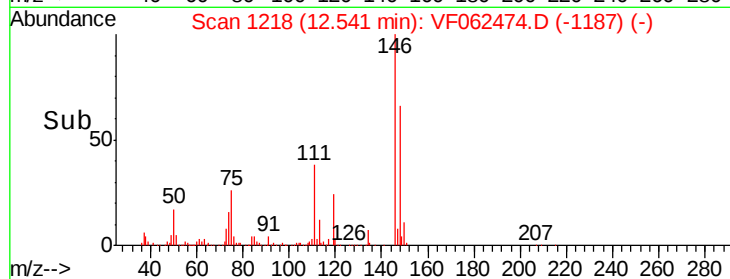
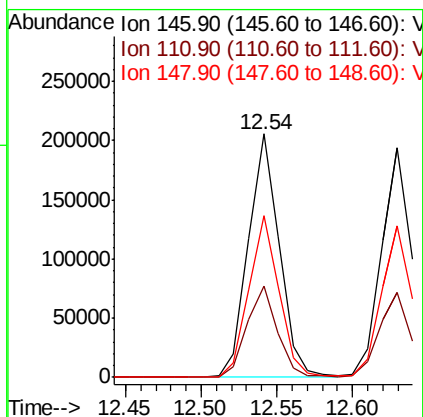
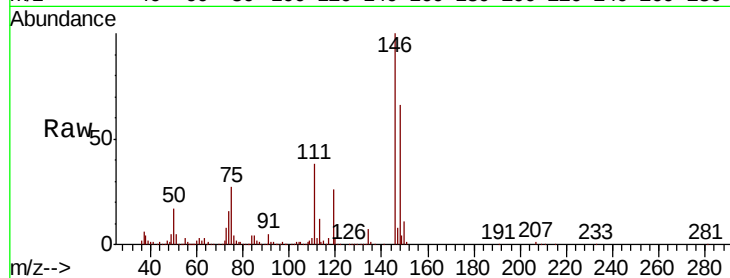




#87
 1,3-Dichlorobenzene
 Concen: 49.110 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

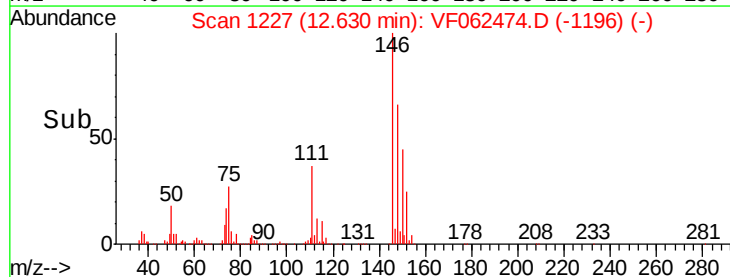
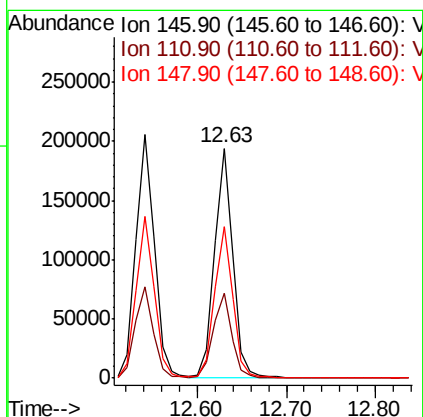
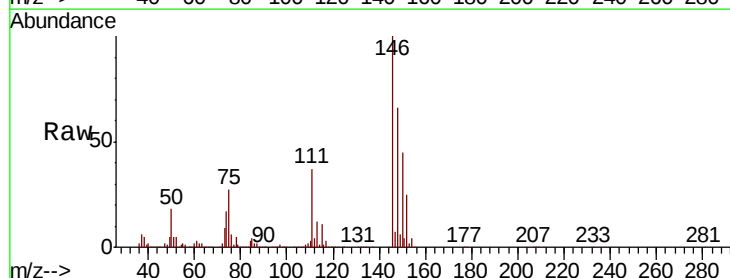
Instrument :
 MSVOA_F
 ClientSampleId :

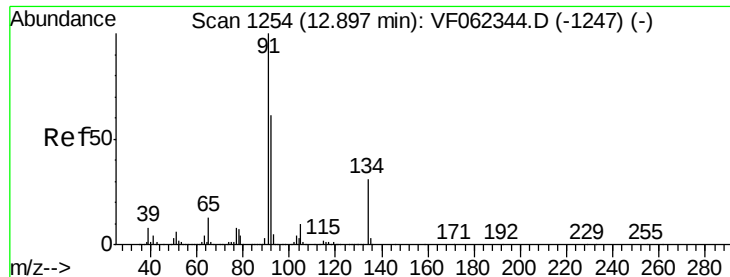
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.8
148	64.9	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 47.942 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	66.2	32.2	96.6

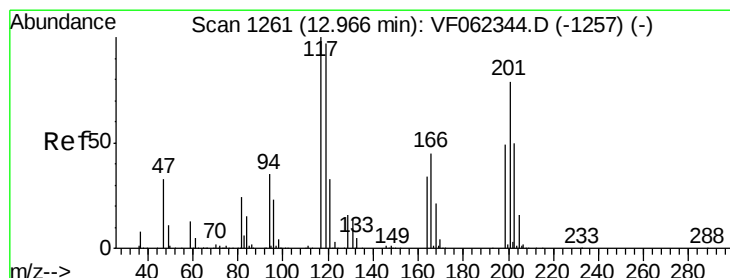
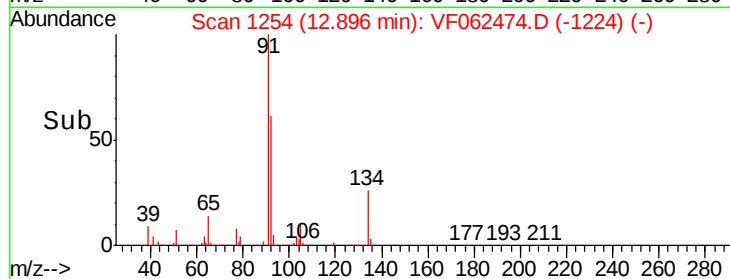
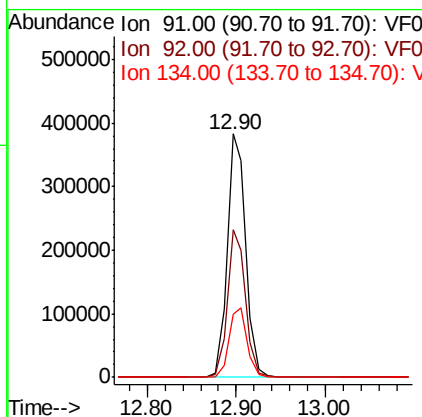
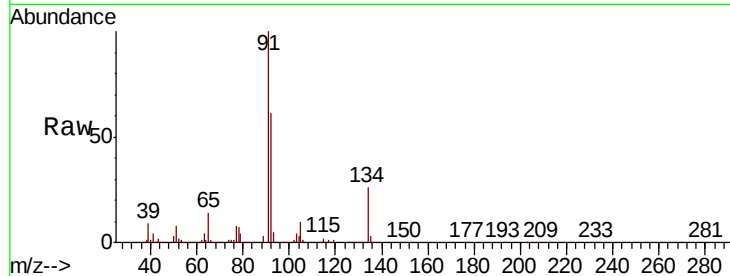




#89
n-Butylbenzene
Concen: 48.517 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

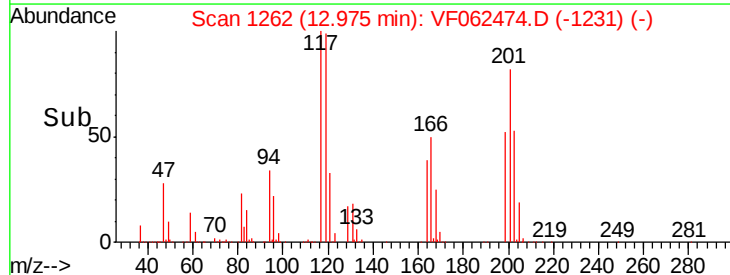
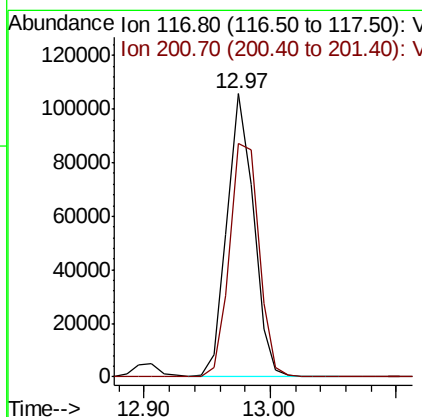
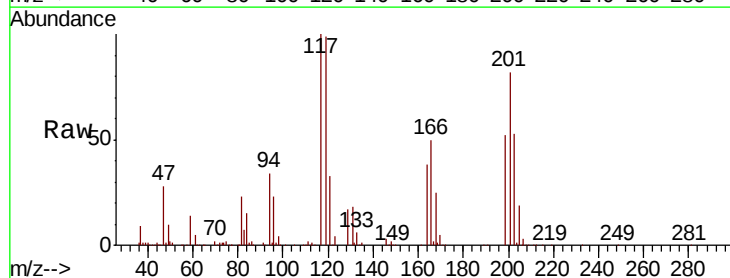
Instrument :
MSVOA_F
ClientSampled :

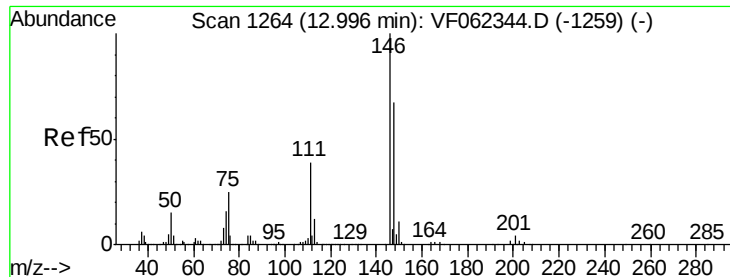
Tot Ion: 91 Resp: 563107
Ion Ratio Lower Upper
91 100
92 59.3 30.0 90.0
134 28.1 14.1 42.4



#90
Hexachloroethane
Concen: 47.469 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 117 Resp: 154621
Ion Ratio Lower Upper
117 100
201 91.2 46.2 138.5

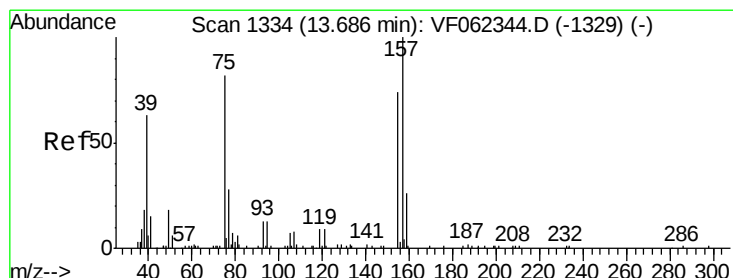
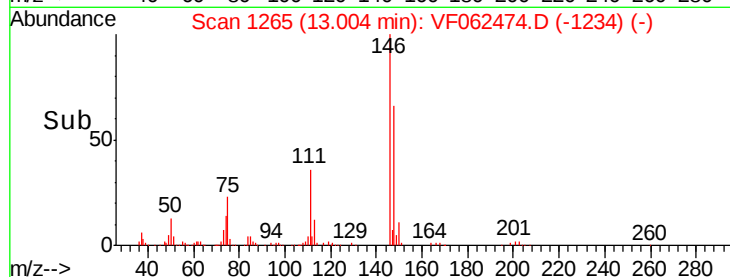
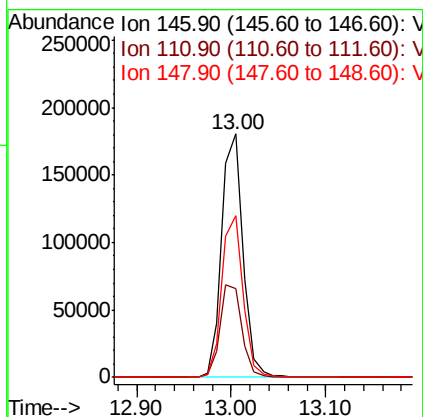
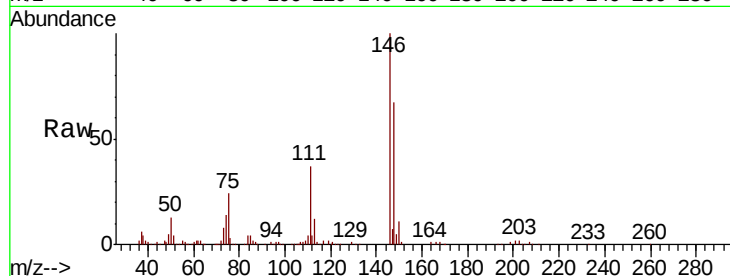




#91
 1,2-Dichlorobenzene
 Concen: 48.690 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

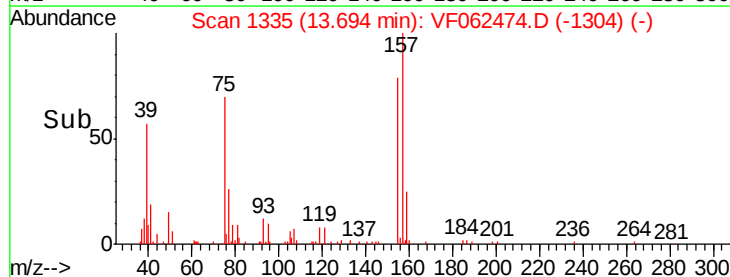
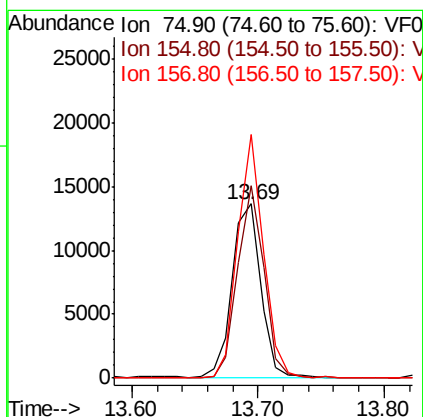
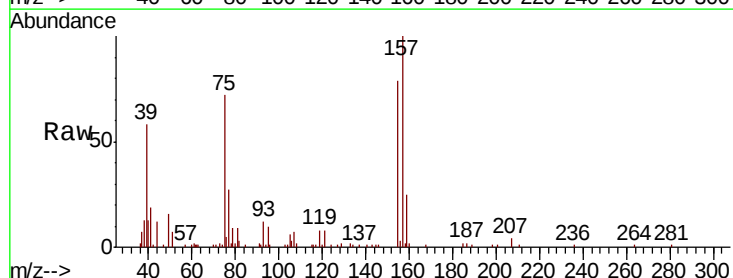
Instrument :
 MSVOA_F
 ClientSampleId :

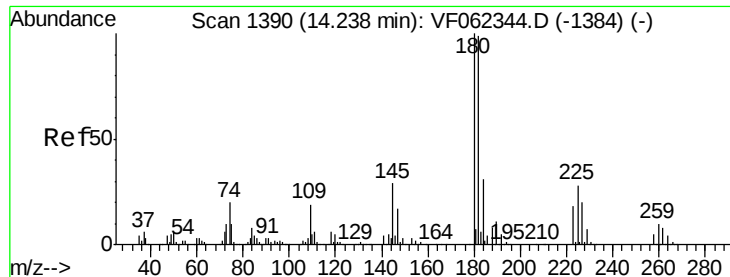
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	65.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.275 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.8	155.4
157	123.8	67.3	201.8

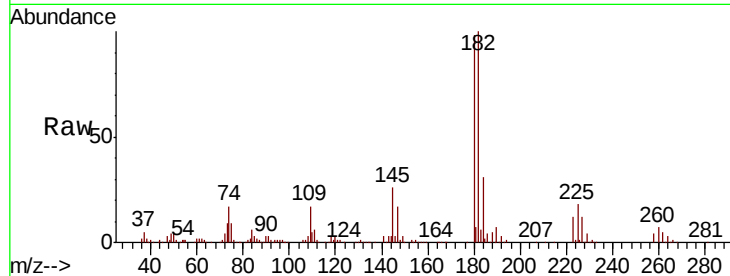




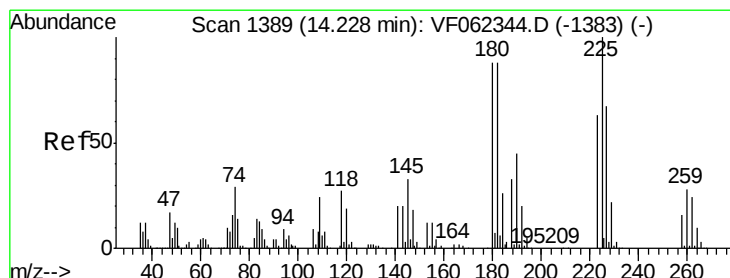
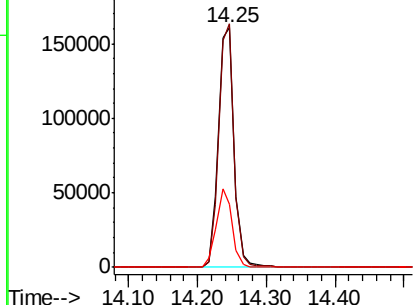
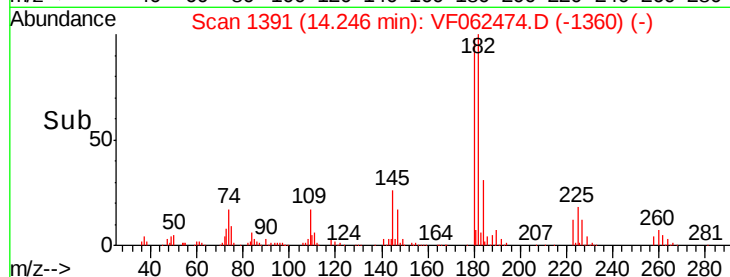
#93
 1,2,4-Trichlorobenzene
 Concen: 48.977 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 255233
 Ion Ratio Lower Upper
 180 100
 182 98.2 49.0 147.0
 145 32.9 16.7 50.1

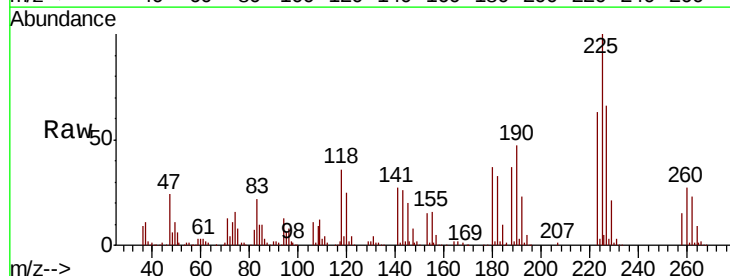


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

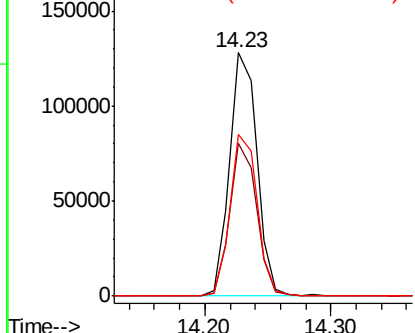
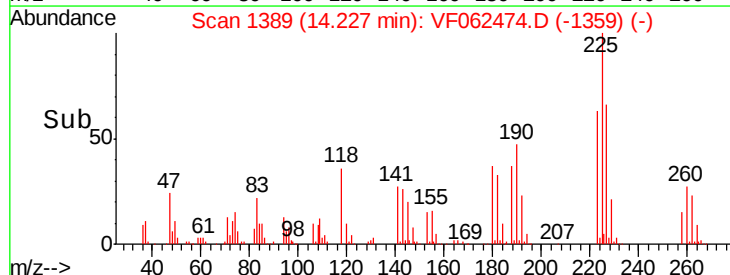


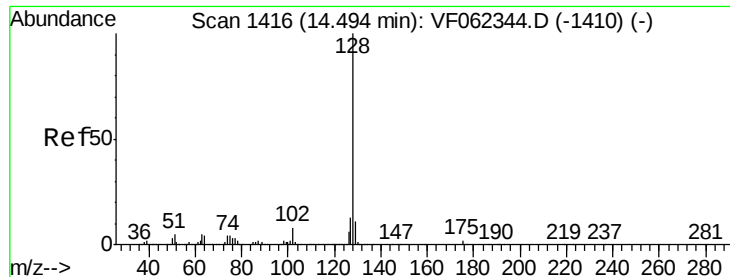
#94
 Hexachlorobutadiene
 Concen: 49.429 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion:225 Resp: 191990
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.5
 227 65.9 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.843 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

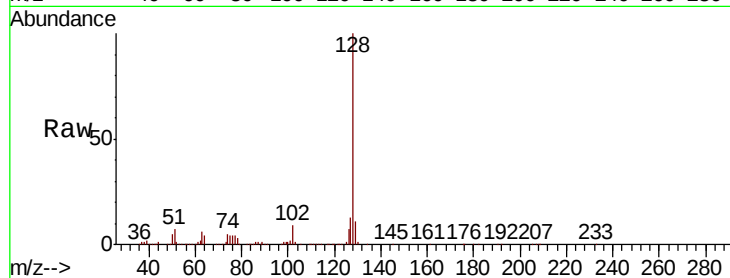
Tot Ion:128 Resp: 390508

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

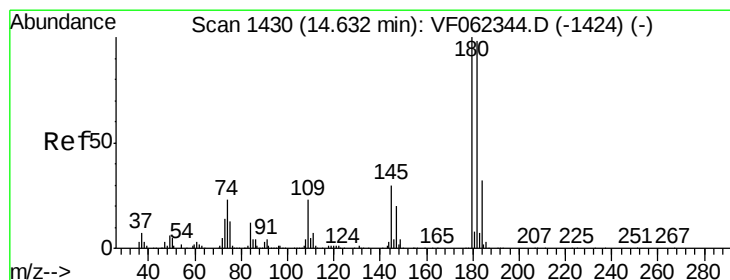
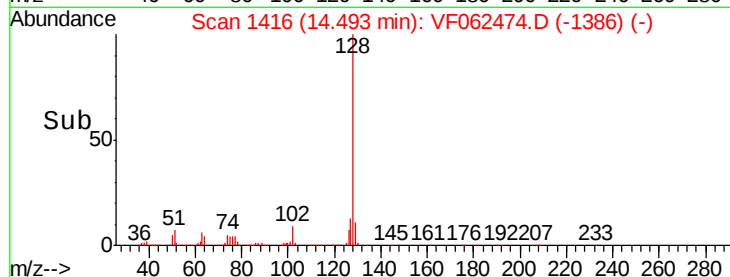
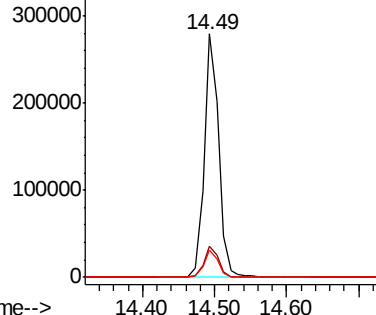
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.901 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

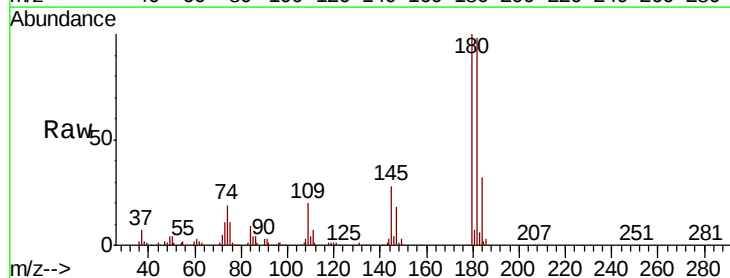
Tgt Ion:180 Resp: 251936

Ion Ratio Lower Upper

180 100

182 97.8 49.4 148.0

145 28.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

